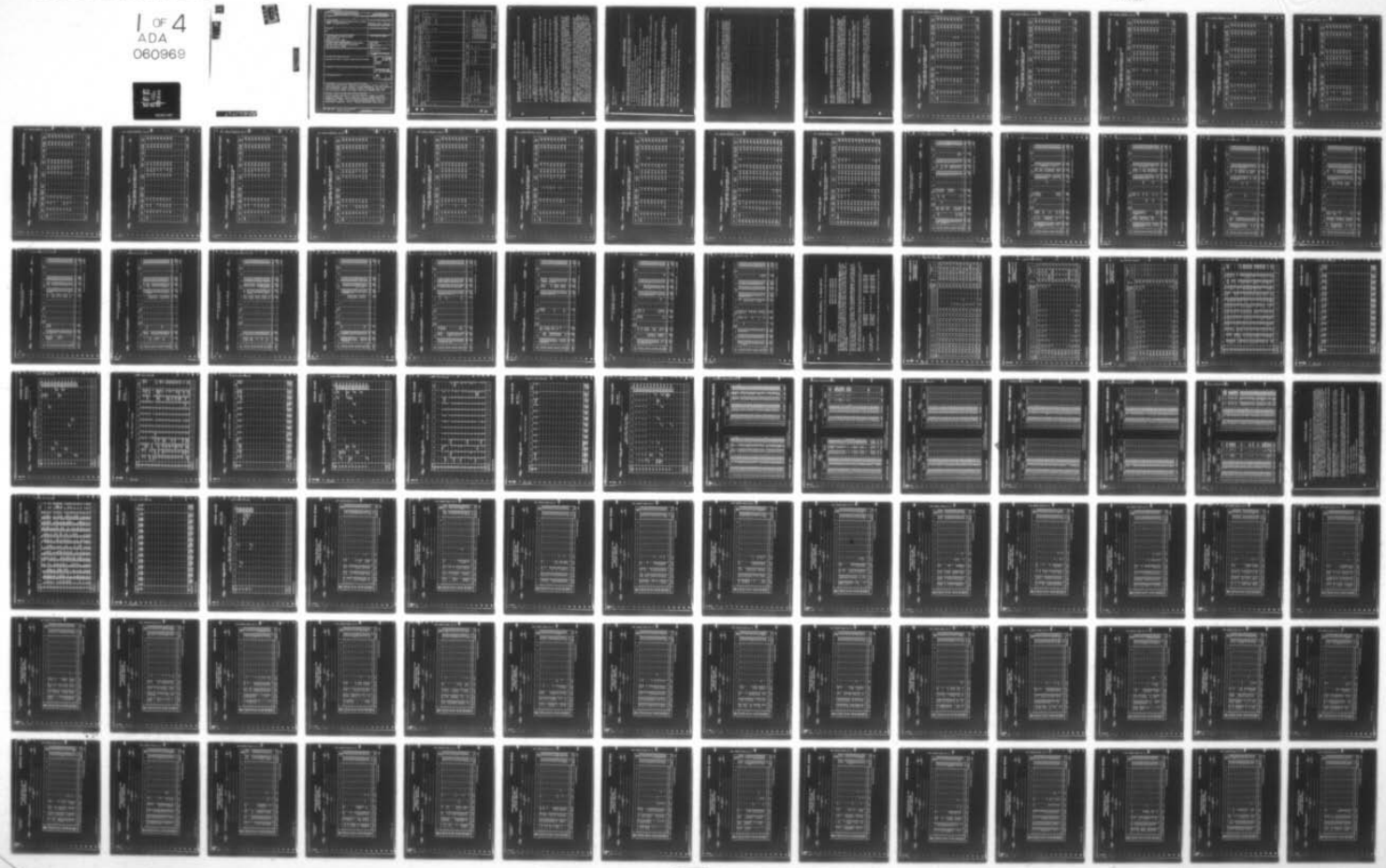
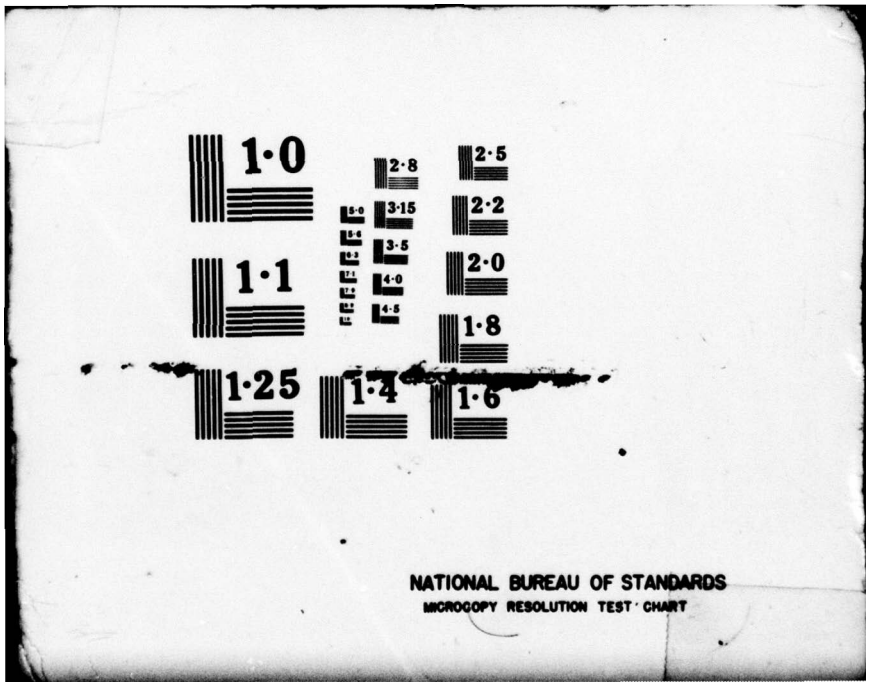
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) PATUXENT--ETC(U)
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SECURITY CLASSIFICATION OF THIS PAGE *(When Data Entered)*

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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19. KEY WORDS *(Continue on reverse side if necessary and identify by block number)*

Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Patuxent River, MD.

20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102-LF-014-6601

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SECURITY CLASSIFICATION OF THIS PAGE *(When Data Entered)*

STATION NO. ON SUMMARY:	STATION NAME	LATITUDE:	LONGITUDE:	STATION ELEV (FT.)	CALL SIGN	WMO NUMBER
13721	Patuxent River, Maryland	38°18'N	76°25'W	38	KNHK	72404

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office (ops bldg)	Navy	1949	1957	38°18'N	76°25'W	45	Mercurial	24
2.	" " " " "	"	1957		"	"	45	"	24
1a.	" " "	"	1960		"	"	46	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed	Atop operations tower	3 cup		95'	1. Auto met sta (AN/GMQ-29) 2. Ceiling light (ML 121H) 3. Cloud height set (GMQ-13B/C) 4. Transmissometer (GMQ-10) 5. Runway visual range 6. Seawater-air temp (honeywell) 7. Weather vision (AN/GMQ-27) 8. WSR 57 radar operated by National Weather Service
2.	1957	Atop radar tower (bldg 147A)	AN/UMQ-5	RD-108	65'	
3.	1960	1000' NW of intersection of runways 31 and 24	"	"	13'	

NWSD, Federal Building
Asheville, N. C.

78 11 06 137

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).

2. All available data will be used for extreme values.

3. Summarize (update) every five years.

   a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.

   b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.

   c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.

   d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

NWSD, Federal Building

Asheville, N. C.

PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to visicn need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		9.0	.6	.6		10.3	20.0	3.2			21.9	155
	04		12.3		1.3		12.9	21.9	3.9			24.5	155
	07		9.0		.6		9.7	27.1	3.9			28.4	155
	10		9.7		3.2		12.9	21.9	16.1			34.2	155
	13		7.7		3.9		11.6	17.4	11.6			27.1	155
	16		11.6		3.2		14.8	16.1	14.8	.6		27.7	155
	19		11.0		3.2		13.5	19.4	9.7	.6		29.0	155
	22		11.0		3.2		14.2	17.4	3.9			20.6	155
TOTALS			10.2	.1	2.4		12.5	20.2	8.4	.2		26.7	1240

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		9.2				9.2	14.2	3.5			17.0	141
	04		6.4		2.8		8.5	12.1	5.7			16.3	141
	07		6.4		2.1		8.5	17.0	7.8			24.1	141
	10		4.3		2.8		6.4	13.5	14.2			27.0	141
	13		7.8		2.8		10.6	12.1	10.6			22.7	141
	16	.7	9.2		2.1		11.3	14.9	8.5			23.4	141
	19		7.8		2.1		9.9	14.9	6.4			21.3	141
	22		7.8		2.1		9.2	15.6	4.3			19.1	141
TOTALS		.1	7.4		2.1		9.2	14.3	7.6			21.4	1128

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		11.0		1.9		12.3	20.0	3.9			23.9	155
	04		14.2		.6		14.8	24.5	3.2			27.1	155
	07		17.4				17.4	32.9	5.8			38.1	155
	10		15.5		1.3		16.1	20.0	12.9			32.3	155
	13	.6	11.6		1.9		12.9	18.1	12.9			29.7	155
	16	.6	9.7		.6		9.7	16.1	12.9			29.0	155
	19		13.5				13.5	14.2	12.9			26.5	155
	22		11.6		1.9		12.3	18.1	9.7			25.8	155
TOTALS		.2	13.1		1.0		13.6	20.5	9.2			29.1	1240

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		8.7				8.7	8.0	6.7			13.3	150
	04	.7	8.7				8.7	10.7	8.0			16.0	150
	07		8.0				8.0	14.7	13.3			24.7	150
	10		5.3		.7		6.0	6.7	13.3			20.0	150
	13		6.7		.7		6.7	6.7	13.3			18.7	150
	16		4.7				4.7	6.0	16.0			20.7	150
	19	.7	5.3				5.3	7.3	14.7			20.7	150
	22		5.3				5.3	6.0	8.7			13.3	150
TOTALS		.2	6.6		.2		6.7	8.3	11.8			18.4	1200

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	1.3	12.3				12.3	23.9	16.8			36.8	155
	04		8.4				8.4	30.3	16.8			41.9	155
	07	.6	9.7				9.7	34.8	23.2			49.0	155
	10		6.5				6.5	16.1	29.7			42.6	155
	13		7.7				7.7	11.0	31.0			39.4	155
	16	3.2	9.0				9.0	8.4	35.5			41.9	155
	19	4.5	11.0				11.0	12.3	27.1			37.4	155
	22	2.6	11.0				11.0	16.8	21.9			36.8	155
TOTALS		1.5	9.5				9.5	19.2	25.3			40.7	1240

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01	1.3	4.7				4.7	20.0	31.3			44.0	150
	04	1.3	7.3				7.3	30.0	31.3			50.0	150
	07	.7	7.3				7.3	32.0	36.7			54.7	150
	10		6.7				6.7	10.7	38.0			46.7	150
	13		6.0				6.0	7.3	37.3			43.3	150
	16	4.0	4.7				4.7	3.3	42.0			44.7	150
	19	1.3	6.0				6.0	4.0	40.0			42.7	150
	22	.7	4.7				4.7	8.7	34.7			41.3	150
TOTALS		1.2	5.9				5.9	14.5	36.4			45.9	1200

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	3.2	5.8				5.8	20.6	48.4			56.1	155
	04	1.3	4.5				4.5	28.4	47.1			56.1	155
	07		3.9				3.9	29.0	51.6			61.9	155
	10	.6	4.5				4.5	4.5	56.8			56.8	155
	13	1.3	2.6				2.6	2.6	54.8			55.5	155
	16	2.6	5.8				5.8	.6	54.2			54.2	155
	19	8.4	9.0				9.0	3.2	55.5			56.8	155
	22	3.9	3.9				3.9	12.9	51.0			54.8	155
TOTALS		2.7	5.0				5.0	12.7	52.4			56.5	1240

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	1.9	5.8				5.8	25.8	57.4			65.8	155
	04	.6	5.8				5.8	36.1	58.7			69.7	155
	07		4.5				4.5	38.7	62.6			69.7	155
	10	.6	3.9				3.9	6.5	60.0			63.2	155
	13	1.3	4.5				4.5	3.2	58.1			60.0	155
	16	4.5	6.5				6.5	3.9	59.4			62.6	155
	19	4.5	7.7				7.7	5.2	59.4			63.9	155
	22	3.2	5.8				5.8	10.3	58.7			62.6	155
TOTALS		2.1	5.6				5.6	16.2	59.3			64.7	1240

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	.7	8.7				8.7	24.7	37.3			50.7	150
	04	.7	8.0				8.0	39.3	34.7			56.7	150
	07		8.0				8.0	38.7	39.3			58.0	150
	10		8.7				8.7	10.7	38.0			44.7	150
	13	1.3	6.7				6.7	6.7	34.0			38.7	150
	16	2.0	8.7				8.7	6.7	40.7			45.3	150
	19	2.0	10.7				10.7	11.3	42.7			49.3	150
	22	1.3	10.7				10.7	20.0	37.3			48.7	150
TOTALS		1.0	8.8				8.8	19.8	38.0			49.0	1200

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	.6	11.0				11.0	21.9	20.6			35.5	155
	04		12.3				12.3	32.3	18.1			43.2	155
	07		11.0				11.0	40.6	14.8			46.5	155
	10		8.4				8.4	16.1	22.6			34.8	155
	13	.6	7.7				7.7	11.6	18.1			29.0	155
	16		7.1				7.1	11.0	18.7			27.7	155
	19		10.3				10.3	14.2	23.2			35.5	155
	22	.6	10.3				10.3	21.3	21.3			36.8	155
TOTALS		.2	9.8				9.8	21.1	19.7			36.1	1240

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5701 WEATHER CONDITIONS JAN 68

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		9.3				9.3	18.0	6.0			22.7	150
	04		8.0		.7		8.7	21.3	4.0			25.3	150
	07		6.0		.7		6.7	25.3	8.7			31.3	150
	10		8.7		1.3		10.0	19.3	14.0			30.7	150
	13		8.7		.7		9.3	13.3	14.7			27.3	150
	16		7.3				7.3	12.7	16.0			26.7	150
	19		10.0		.7		10.7	14.0	12.0			24.0	150
	22		6.7				6.7	15.3	6.7			20.0	150
TOTALS			8.1		.5		8.6	17.4	10.3			26.0	1200

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		11.6		1.3		12.3	18.7	5.8			21.9	155
	04		12.3		3.2		14.8	23.2	4.5			25.2	155
	07		12.9		1.3		12.9	25.2	5.2	.6		29.0	155
	10		12.2		1.9		14.2	21.3	8.4			29.7	155
	13		10.3		3.2		12.9	18.1	9.7			26.5	155
	16		10.3		3.2		12.9	16.1	12.9			29.0	155
	19		13.5		2.6		14.8	16.8	9.7			25.2	155
	22	.6	10.3		1.3		11.6	18.7	5.2			23.2	155
TOTALS		.1	11.7		2.3		13.3	19.8	7.7	.1		26.2	1240

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WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		10.2	.1	2.4		12.5	20.2	8.4	.2		26.7	1240
FEB		.1	7.4		2.1		9.2	14.3	7.6			21.4	1128
MAR		.2	13.1		1.0		13.6	20.5	9.3			29.1	1240
APR		.2	6.6		.2		6.7	8.3	11.8			18.4	1200
MAY		1.5	9.5				9.5	19.2	25.3			40.7	1240
JUN		1.2	5.9				5.9	14.5	36.4			45.9	1200
JUL		2.7	5.0				5.0	12.7	52.4			56.5	1240
AUG		2.1	5.6				5.6	16.2	59.3			64.7	1240
SEP		1.0	8.8				8.8	19.8	38.0			49.0	1200
OCT		.2	9.8				9.8	21.1	19.7			36.1	1240
NOV			8.1		.5		8.6	17.4	10.3			26.0	1200
DEC		.1	11.7		2.3		13.3	19.8	7.7	.1		26.2	1240
TOTALS		.8	8.5	.0	.7		9.0	17.0	23.8	.0		36.7	14608

5701 WEATHER CONDITIONS JAN 68

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WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

12721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 49-77 (YEARS) ALL (MONTH)

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.6	38.6	2.9	16.8	.2	47.2	41.3	30.6	2.7		52.3	898
FEB		2.0	38.1	2.1	14.7	.4	44.5	40.3	30.7	1.5		52.0	818
MAR		3.8	45.5	.1	9.8	.7	49.3	40.5	30.1	1.3		50.6	899
APR		9.3	46.9	.1	1.6	.3	47.2	35.5	30.8	.1		47.1	870
MAY		14.3	49.1			.2	49.1	39.0	41.3			54.3	899
JUN		19.1	43.9			.2	43.9	37.9	50.7			59.4	870
JUL		25.3	44.8				44.8	33.9	55.8			61.4	889
AUG		20.1	41.3			.1	41.3	39.9	59.5			67.3	899
SEP		9.2	35.3				35.3	37.9	46.0			56.4	870
OCT		3.3	33.9		.1	.1	33.9	44.4	37.5			55.8	899
NOV		1.5	38.0		3.6		39.7	36.6	30.6	.1		47.5	869
DEC		.6	38.5	1.5	10.8		42.5	39.0	31.0	1.2		50.2	896
TOTALS		9.1	41.2	.6	4.8	.2	43.2	38.8	39.5	.6		54.5	10576

5701 WEATHER CONDITIONS JAN 68

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) JANUARY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.6		2.9			8.7			25.0	1.9	11.5			62.5
NNE	16.7	1.9	1.9		1.9	7.4			20.4		11.1			61.1
NE	9.1					6.1			18.2		3.0			75.8
ENE	12.0		8.0	4.0		4.0			24.0	12.0	16.0			52.0
E	12.8		5.1		2.6	2.6			23.1		7.7			64.1
ESE	34.8								39.1	4.3	13.0			43.5
SE	11.5		1.9						26.9	1.9	7.7			61.5
SSE	12.9		1.6			1.6			21.0		21.0			59.7
S	8.1					6.8			17.6	4.1	8.1			70.3
SSW	9.6					1.9			11.5	5.8	7.7			73.1
SW	8.9					1.8			12.5	5.4	12.5			73.2
WSW	3.1		1.3						10.1	2.5	6.3			82.3
W	2.2	2.2	1.1						10.8	1.1	5.4			83.9
WNW	2.2		1.1						9.7	2.2	4.3	1.1		84.9
NW	8.4	1.7	3.4						15.1	1.7	5.0	.8		75.6
NNW	4.9	1.4	.7		.7	.7			11.1	.7	4.2			84.7
VARIABLE														
CALM	1.2		3.9			1.4			18.8	13.8	10.9			58.0
TOTAL	104	7	22	1	3	28			207	43	104	2		885
% TOTAL	8.4	.6	1.8	.1	.2	2.3			16.7	3.5	8.4	.2		71.4

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ. WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721	PATUXENT RIVER, MARYLAND	JAN 73 - DEC 77	FEBRUARY	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	14.4	2.2	1.1		1.1	3.3			23.3	2.2	2.2			65.6
NNE	5.5		3.6			10.9			25.5	1.8	7.3			61.8
NE	6.0	2.0	2.0			2.0			12.0		8.0			76.0
ENE	20.0					11.4			25.7	2.9	2.9			65.7
E	23.3								16.7	3.3	16.7			63.3
ESE	9.5		4.8						23.8		19.0			57.1
SE	7.7	3.1							13.8	7.7	18.5			58.5
SSE	5.7	2.9						1.4	15.7	1.4	12.9			71.4
S	1.6	6.3							7.9	4.8	7.9			77.8
SSW	2.6	1.3	1.3						3.9	3.9	7.9			82.9
SW	1.3	1.3								1.3	9.1			88.3
WSW	3.2								12.7	3.2	17.5			68.3
W									5.8		5.8			88.5
WNW	1.6	3.2	1.6			1.6			9.7	1.6	1.6			82.3
NW	1.0					1.0			5.2	2.1	5.2			87.6
NNW	.8	.8	2.3			5.4			8.5	.8	.8			87.7
VARIABLE														
CALM	2.2		2.2						9.8	7.6	6.5			78.3
TOTAL	55	16	12		1	23		1	130	31	86			865
% TOTAL	4.9	1.4	1.1		.1	2.0		.1	11.5	2.7	7.6			76.7

TOTAL NUMBER OF OBSERVATIONS 1,126

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) MARCH (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	11.1	4.2	9.7			4.2			29.2	4.2	5.6			55.6
NNE	13.8	1.5	21.5			3.1			48.1	1.5	4.6			40.0
NE	15.6	6.7	11.1						33.3	4.4	8.9			46.7
ENE	20.0		8.6			2.9			37.1		2.9			54.3
E	6.8	1.7	3.4						25.4	1.7	20.3			49.2
ESE	13.5	5.8	3.8						28.8		9.6			55.8
SE	12.5	4.7	1.2			1.2		1.2	14.0	1.2	23.3			57.0
SSE	8.9	4.8	1.6						16.1	3.2	18.5			60.5
S	7.1	8.3			1.2	2.4			14.3		11.9			67.9
SSW	1.6	1.6							14.8	3.3	3.3			80.3
SW	3.3								5.0	1.7	6.7			85.0
WSW		6.5							6.5	2.2	13.0			73.9
W	7.0	2.8			1.4	1.4		1.4	12.7	2.8	5.6			74.6
WNW	1.2									1.2	1.2			97.6
NW	2.2		2.2			1.1			5.5	5.5	4.4			86.8
NNW	1.9		1.0						6.7		3.8			89.4
VARIABLE														
CALM	3.0		5.0						26.0	17.0	8.0			67.0
TOTAL	86	34	44		2	11		2	213	41	115			834
% TOTAL	6.9	2.7	3.5		.2	.9		.2	17.2	3.3	9.3			67.3

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

57 FREQ. WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) APRIL (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.5	3.0				1.5			16.4	1.5	10.4			68.7
NNE	3.0	6.1							9.1		12.1			75.8
NE	8.8		5.9						20.6		5.9			76.5
ENE	11.5		3.8						15.4	3.8	19.2			61.5
E	18.8	9.4	3.1						28.1		9.4			53.1
ESE	7.0	2.3							9.3	2.3	23.3			67.4
SE	1.3	2.6							7.7	2.6	24.4			69.2
SSE	3.0	1.0						1.0	5.0	1.0	19.8			72.3
S	1.2	3.7							6.2	1.2	13.6			80.2
SSW	2.8	9.7				1.4			9.7		22.2			66.7
SW	1.2	6.1						1.2	1.2	2.4	9.8			81.7
WSW		3.4									8.6			87.9
W		1.1							3.4	2.2	7.9			86.5
WNW	1.0	1.0								1.0	5.8			91.3
NW		4.2							1.7	.8	5.0			89.1
NNW	5.6	3.3	1.1						3.3		2.2			86.7
VARIABLE														
CALM	~~2.2~~	~~1.1~~							~~12.1~~	~~5.5~~	~~9.9~~			~~75.8~~
TOTAL	35	39	5			2		2	81	18	140			942
% TOTAL	2.9	3.3	.4			.2		.2	6.8	1.5	11.7			78.5

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5708 % FREQ WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.2	1.6	6.5						19.4	4.8	8.1			64.5
NNE		1.8	3.5						21.1		35.1			47.4
NE		3.0	9.1						18.2		39.4			48.5
ENE	6.9	3.4						3.4	24.1		31.0			44.8
E	17.6	7.8	3.9					2.0	45.1	2.0	21.6			27.5
ESE	11.1		11.1						34.9		17.5			49.2
SE	6.3	5.4						1.8	17.0	3.6	37.5			41.1
SSE	2.8	3.5	.7					.7	9.1	4.2	29.4			59.4
S	10.7	3.3	.8					1.6	9.8	2.5	23.8			61.5
SSW	4.8	7.2						3.6	8.4	7.2	24.1			59.0
SW		3.2							6.3	3.2	30.2			61.9
WSW								4.3	4.3	10.9	39.1			50.0
W	1.3	6.6						5.3	2.6	11.8	25.0			61.8
WNW		4.7						3.1	7.8	6.3	20.3			64.1
NW	1.2	4.8							7.1	4.8	15.5			71.4
NNW	1.6	4.8	1.6						12.7	1.6	11.1			74.6
VARIABLE														
CALM								1.1	11.2	22.5	24.7			51.7
TOTAL	51	46	21					19	170	68	313			699
% TOTAL	4.1	3.7	1.7					1.5	13.7	5.5	25.2			56.4

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) JUNE (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.2	4.3	8.7					2.2	17.4	4.3	43.5			41.3
NNE	11.8	2.0	7.8						23.5	3.9	21.6			51.0
NE	9.8	2.0	3.9						31.4		15.7			52.9
ENE	5.4	10.8						2.7	27.0	2.7	18.9			56.8
E		4.0						2.0	6.0	8.0	34.0			54.0
ESE		2.1							6.3	4.2	33.3			58.3
SE		2.5						2.5	3.8	2.5	40.0			56.3
SSE	3.8	.8						.8	6.9	2.3	44.6			48.5
S	1.4	6.1						2.7	6.8	4.8	36.7			53.7
SSW	.9	1.8							5.4	3.6	42.3			51.4
SW		4.5						1.1	1.1	6.7	31.5			62.9
WSW		9.8						2.0	7.8	2.0	51.0			45.1
W		5.2						1.3	7.8	9.1	42.9			49.4
WNW		2.9							10.0	7.1	35.7			54.3
NW		4.2						2.1	6.3	2.1	20.8			68.8
NNW		2.1							4.3	6.4	27.7			61.7
VARIABLE														
CALM		1.5							14.9	10.4	46.3			37.3
TOTAL	22	44	10					14	113	61	436			634
% TOTAL	1.8	3.7	.8					1.2	9.4	5.1	36.3			52.8

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5290 % FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) JULY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.6							4.9	1.6	34.4			60.7
NNE		1.5							2.9		32.4			66.2
NE		2.6	2.6						10.5	5.3	47.4			47.4
ENE								4.8	23.8	14.3	57.1			38.1
E	3.4							3.4	10.3		72.4			27.6
ESE		8.6						5.2	3.4	1.7	62.1			36.2
SE		1.4						1.4	1.4	5.6	62.5			37.5
SSE	1.1	5.4						3.3	5.4	4.3	63.0			29.3
S	.8	3.0						4.5	3.8	8.3	51.9			40.6
SSW	.9	4.6							2.8	1.9	47.2			48.1
SW		5.8						1.7	6.7	5.0	50.0			43.3
WSW		5.2	1.7					3.4	5.2	5.2	58.6			36.2
W	2.1	3.1						2.1	9.4	10.4	62.5			30.2
WNW		11.3						8.5	14.1	11.3	64.8			26.8
NW		3.0						3.0	4.5	9.1	47.0			48.5
NNW		3.8						1.9	3.8	5.7	37.7			58.5
VARIABLE														
CALM		6.3						3.1	8.4	17.7	47.9			39.6
TOTAL	6	54	2					33	77	81	650			519
% TOTAL	.5	4.4	.2					2.7	6.2	6.5	52.4			41.9

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) AUGUST (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.5	6.5						3.2	9.7	3.2	50.0			38.7
NNE	1.8	1.8						5.3		7.0	42.1			54.4
NE	2.2	6.7							15.6	2.2	40.0			46.7
ENE		7.1						2.4	16.7	7.1	38.1			47.6
E	1.7	8.6						1.7	12.1	1.7	39.7			51.7
ESE	6.5	2.2						2.2	4.3	2.2	45.7			43.5
SE		2.7							1.4	4.1	71.2			28.8
SSE		7.4						4.4	4.4		70.6			23.5
S	.8	4.5						1.5	6.8	6.0	63.2			33.8
SSW		2.0						3.9	3.9	9.8	67.6			28.4
SW		1.8							5.3	12.3	77.2			20.2
WSW	1.6	3.2						3.2	4.8	14.3	71.4			23.8
W		2.1						1.0	4.2	21.9	65.6			28.1
WNW		8.8						3.5	10.5	15.8	64.9			26.3
NW	4.4	4.4							6.7	15.6	60.0			31.1
NNW		9.0						3.0	6.0	10.4	35.8			56.7
VARIABLE														
CALM		5.6						1.8	9.8	16.1	57.1			30.4
TOTAL	14	55						26	83	118	734			423
% TOTAL	1.1	4.4						2.1	6.7	9.5	59.2			34.1

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) SEPTEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.2	5.2	1.7						8.6		22.4			65.5
NNE	18.6	4.3							20.0	2.9	28.6			54.3
NE	14.3	2.9							18.6	4.3	31.4			48.6
ENE	11.5	3.8							23.1	5.8	25.0			48.1
E	12.7	9.9						2.8	22.5	4.2	43.7			40.8
ESE	2.6	7.3						2.6	7.9	2.6	34.2			63.2
SE	5.6	2.8						1.4	23.9	5.6	35.2			43.7
SSE	1.4	1.4						1.4	5.4	4.1	52.7			40.5
S	3.0	3.0						1.0	9.0	8.0	50.0			41.0
SSW	2.2	4.3						2.2	5.4	14.0	43.0			44.1
SW		3.0							6.1	15.2	57.6			37.9
WSW		5.7						1.9	9.4	9.4	34.0			56.6
W	1.5	1.5						1.5	4.6	21.5	38.5			52.3
WNW	2.8	4.2						1.4	11.1	12.5	41.7			43.1
NW	1.4	4.1	1.4					1.4	5.4	6.8	31.1			58.1
NNW	2.9	2.9							4.4	4.4	22.1			69.1
VARIABLE														
CALM	1.0	1.0							8.9	21.9	38.0			69.5
TOTAL	59	44	2					12	128	109	456			593
% TOTAL	4.9	3.7	.2					1.0	10.7	9.1	38.0			49.4

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) OCTOBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	8.8	1.0	1.0						17.6	4.9	16.7			61.8
NNE	12.3	2.5	3.7					1.2	24.7	1.2	22.2			53.1
NE	14.1	1.6	6.3						31.3	3.1	15.6			50.0
ENE	10.7		3.6						32.1	3.6	17.9			53.6
E	8.7		6.5						21.7	8.7	23.9			54.3
ESE	13.3							2.2	17.8	8.9	22.2			51.1
SE	6.8	4.5							18.2	6.8	40.9			40.9
SSE	13.3	10.0							25.0	6.7	41.7			31.7
S	11.4	4.3							11.4	7.1	34.3			48.6
SSW	4.3	2.9							11.4	5.7	24.3			60.0
SW	4.8	1.6							9.5	3.2	25.4			66.7
WSW	2.0	2.0							4.1	8.2	14.3			75.5
W	4.5	3.4							9.0	6.7	14.6			68.5
WNW	2.3	1.1	1.1						4.6	2.3	11.5			81.6
NW	3.2	1.1	1.1					1.1	12.8	9.6	16.0			67.0
NNW	2.5	.8							4.2	.8	6.7			88.3
VARIABLE														
CALM	~~1.6~~	~~1.6~~							~~8.6~~	~~25.8~~	~~18.6~~			~~60.2~~
TOTAL	81	27	14					3	172	90	244			771
% TOTAL	6.5	2.2	1.1					.2	13.9	7.3	19.7			62.2

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) NOVEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	11.4		10.0			1.4			28.6	1.4	4.3			65.7
NNE	11.6		4.7			2.3			27.9	4.7	20.9			46.5
NE	10.6	2.1				4.3			36.2	2.1	21.3			42.6
ENE	10.3	3.4	6.9						41.4		24.1			34.5
E	10.5		5.3						42.1					57.9
ESE	3.8		11.5						30.8		23.1			50.0
SE	1.8	3.6							25.5	1.8	21.8			52.7
SSE	5.0	2.5	2.5						25.0		27.5			47.5
S	3.3	5.5	2.2			1.1			14.3	3.3	26.4			59.3
SSW	3.9	2.6							7.9	3.9	6.6			80.3
SW	1.1	4.2	1.1						8.4	2.1	9.5			82.1
WSW		1.5							1.5		6.1			90.9
W	1.8	1.8	.9						8.2	3.6	9.1			78.2
WNW	1.1								3.4	5.6	3.4			88.8
NW	4.8					1.0			6.7	2.9	2.9			86.5
NNW	6.3	1.6							9.4		1.6			85.8
VARIABLE														
CALM	4.6	.9							14.2	7.1	6.4			74.3
TOTAL	55	22	20			6			176	38	123			869
% TOTAL	4.6	1.8	1.7			.5			14.7	2.8	10.3			72.4

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5724/6 FREQ. WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 73 - DEC 77 (YEARS) DECEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	23.5		2.4		5.9	8.2			37.6		11.8			47.1
NNE	17.7				1.6	3.2			24.2		9.7			59.7
NE	13.8		3.4		3.4				17.2		13.8			65.5
ENE	23.5					2.0			21.6	2.0	9.8			58.8
E	18.6		2.3						25.6	2.3	20.9			48.8
ESE	18.8		3.1						25.0	9.4	9.4			56.3
SE	14.3	2.4	2.4						19.0	11.9	21.4			52.4
SSE	20.4	4.1							30.6	2.0	6.1			59.2
S	10.4	1.9							14.2	1.9	3.8			77.4
SSW	3.7	3.7	2.4						13.4	1.2	9.8			76.8
SW	5.7	1.1	1.1						9.2	3.4	11.5			75.9
WSW	7.5								5.7	1.9	1.9			84.9
W	5.2	1.3				3.9			18.2	1.3	5.2			72.7
WNW		1.0	1.0			1.0		1.0	8.2	2.1	2.1			87.6
NW	4.1	2.5	.8			.8			9.0	.8	1.6			85.2
NNW	.8	1.7	.8		2.5	6.6			13.2	2.5	3.3	.8		78.5
VARIABLE														
CALM	~~7.8~~		~~2.0~~			~~2.0~~			~~17.6~~	~~10.8~~	~~10.8~~			~~65.7~~
TOTAL	118	16	14		10	25		1	209	36	95	1		879
% TOTAL	9.5	1.3	1.1		.8	2.0		.1	16.9	2.9	7.7	.1		70.9

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708% FREQ WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13721	PATUXENT RIVER, MARYLAND	JAN 73 - DEC 77	ALL	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.3	2.2	3.4		.7	2.7		.3	20.8	2.5	16.5			58.8
NNE	9.8	1.9	4.0		.3	2.2		.6	20.5	1.9	21.1			55.3
NE	9.3	2.6	3.5		.2	.9			22.6	2.0	21.2			55.3
ENE	11.7	2.7	2.2	.2		1.7		1.0	25.6	4.1	20.7			52.0
E	10.6	4.2	2.3		.2	.2		1.1	22.6	3.0	27.7			48.4
ESE	8.9	2.6	2.8					1.2	18.0	2.8	27.9			52.1
SE	5.3	3.1	.4			.1		.8	13.5	4.2	34.9			49.6
SSE	5.6	3.5	.5			.1		1.1	12.1	2.7	34.5			51.6
S	4.7	4.2	.2		.1	.7		1.2	9.6	4.5	30.7			57.1
SSW	2.7	3.5	.3			.2		.9	7.6	5.2	28.9			60.0
SW	1.9	3.0	.2			.1		.4	5.8	5.3	30.2			62.6
WSW	1.8	2.9	.3					1.2	6.1	4.8	26.3			65.3
W	2.1	2.6	.2		.1	.4		1.0	8.1	7.8	24.8			63.8
WNW	1.1	2.7	.4			.2		1.3	6.9	5.2	18.7	.1		72.2
NW	2.8	2.3	.8			.4		.5	7.4	4.3	13.6	.1		75.2
NNW	2.6	2.2	.7		.4	1.4		.3	7.8	2.0	9.3	.1		80.2
VARIABLE														
CALM	3.7	1.3	1.1			.3		.3	13.0	15.3	22.5			36.0
TOTAL	686	404	166	1	16	95		113	1759	729	3496	3		8913
% TOTAL	4.7	2.8	1.1	.0	.1	.7		.8	12.0	5.0	23.9	.0		61.0

TOTAL NUMBER OF OBSERVATIONS 14,608

NAVWEASERVCOM

5708 % FREQ. WIND DIR VS WEATHER JAN 68

NWSD, Federal Building

Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

13721 PATUXENT RIVER, MARYLAND 45-77
STATION STATION NAME YEARS

21209

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	52.7	12.6	2.0	6.7	4.7	8.2	8.0	4.1	1.1					34.7	930	2.92	5.15	1.28
FEB	55.9	11.8	2.2	5.9	4.2	6.7	6.3	5.4	1.5					32.3	848	2.77	5.93	.81
MAR	51.0	14.6	2.9	5.8	4.4	7.2	6.1	5.8	2.0					34.4	992	3.40	6.43	.63
APR	52.7	13.5	2.7	7.4	4.2	7.2	6.4	4.2	1.6					33.7	990	2.80	6.74	.94
MAY	50.2	13.6	2.7	7.0	4.5	7.3	7.0	5.2	2.2	.2				36.2	1023	3.69	9.80	.49
JUN	55.5	13.5	1.9	6.5	4.2	5.2	5.0	5.1	2.9	.2				30.9	960	3.48	7.34	.22
JUL	54.4	12.9	2.2	5.6	3.6	7.0	5.6	4.7	3.4	.4				32.7	992	4.15	15.51	1.06
AUG	58.5	12.6	1.8	5.3	3.3	6.1	5.3	3.2	2.8	1.1	.1			28.9	1023	4.35	11.10	.61
SEP	63.6	11.4	2.1	3.6	3.2	5.4	3.6	3.9	2.8	.3				25.0	960	3.21	7.99	.25
OCT	65.8	11.8	1.2	4.4	2.3	4.5	4.4	3.2	2.1	.3				22.4	1023	2.85	5.98	TRACE
NOV	60.7	12.8	1.8	5.4	2.9	5.2	4.7	3.9	2.4	.2				26.6	900	3.07	7.95	.31
DEC	57.1	13.0	1.8	5.4	3.0	5.8	5.7	6.1	2.0					29.9	961	3.29	6.50	.47
ANNUAL	56.5	12.8	2.1	5.7	3.7	6.3	5.7	4.6	2.2	.2	.0			30.6	11602	39.98		

NAVWEASERVCOM

5722 Daily Amounts Jan. 1969

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 45-77 (YEARS)

PRECIP.	AMOUNTS (INCHES) NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES) MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	82.1	10.0	2.0	1.8	1.7	.6	.6	.9	.3	.1				7.9	899	5.6	29.0	.0
FEB	84.8	9.4	.6	1.8	1.1	1.0	.7	.2	.4					5.9	820	3.9	18.5	.0
MAR	91.2	5.7	.5	.8	.6	.3	.1	.3	.4					3.1	961	2.6	22.0	.0
APR	98.5	1.4	.1											.1	960	TRACE	.3	.0
MAY	99.9	.1													1023	TRACE	TRACE	.0
JUN	100.0														990	.0	.0	.0
JUL	100.0														961	.0	.0	.0
AUG	100.0														992	.0	.0	.0
SEP	100.0														990	.0	.0	.0
OCT	99.9	.1													992	TRACE	TRACE	.0
NOV	97.1	2.2	.4	.1					.1					.7	900	.3	7.1	.0
DEC	89.3	7.0	.6	1.1	1.0	.2	.3	.2	.2					3.7	899	2.4	13.0	.0
ANNUAL	95.2	3.0	.3	.5	.4	.2	.1	.1	.1	.0				1.8	11387	14.8		

5722 Daily Amounts Jan. 1969

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13721 PATUXENT RIVER, MARYLAND 49-77
STATION STATION NAME YEARS

21213

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			MEAN	GREATEST	LEAST
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	77.7	8.2	5.0	2.5	1.9	3.3	1.2	.1	.1					14.1	806			
FEB	82.8	5.8	4.2	2.1	1.3	2.1	.8	.5	.4					11.4	763			
MAR	93.7	1.8	.6	.6	1.2	.9	1.2				.1			4.5	868			
APR	99.6	.4													810			
MAY	100.0														899			
JUN	100.0														870			
JUL	100.0														837			
AUG	100.0														868			
SEP	100.0														870			
OCT	100.0														868			
NOV	99.5	.4		.1										.1	840			
DEC	88.0	4.4	2.1	2.1	1.3	1.7	.5							7.6	775			
ANNUAL	95.1	1.7	1.0	.6	.5	.7	.3	.0	.0		.0			3.1	10074			

NAVWEASERVCOM

5722 Daily Amounts Jan. 1969

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-77 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			.22	1.38	1.87	2.49	2.58	.33	1.28	2.38		1.21	
46	.35	.53	1.89	1.93	1.91	1.12	1.48	1.73	2.67	.47	1.12	1.40	2.67
47	.84	.43	.65	1.26	1.56	1.29	1.18	3.19	.98	.85	3.79	1.19	3.79
48	2.00	.48	1.19	.74	2.51	.44	1.84	2.46	.79	2.05		1.48	
49	1.64	.71	.97	.49	.80	1.83	1.90	3.26		2.63	1.95	.39	
50	.71		1.08	.61	1.77	.71	.84	2.53	.98	.99	.72	1.03	
51	.56	1.02		.78	.92	1.54	1.14	2.23	1.93	.77	1.00		
52		.92	1.37	1.26	.69	.75	.93	.69	1.22	.96		.92	
53	.33	1.44	1.09	.55	1.07	.64	.46	3.03	.93	2.17	.97		
54	1.40	2.09	.76	.98	.98	.08	.87	1.04	.47	.58	.69	.79	2.09
55	.40		1.21	.74	.77	1.37	1.53	4.96	.97	.52	1.07	.52	
56	.59	.70	.77	1.38	.71	1.13	1.91	.48	.76	1.61	4.22	.88	4.22
57	.91	.91	.91	.98	1.15	2.39	.65	1.62	1.04	1.76	.91	1.24	2.39
58	1.68	1.14	1.97	1.29	1.99	1.13	3.04	4.67	1.42	1.21	1.23	1.09	4.67
59	.47	.58	.67	.78	.35	1.08	2.16	.76	.20	1.28	2.06	1.00	2.16
60	.52	1.09	.94	1.07	1.57	2.37	4.61	.80	3.89	1.20	.81	1.32	4.61
61	1.72	1.75	1.07	.66	1.98	1.55	1.04	1.43	.58	3.53	.97	.68	3.53
62	2.14	.87	.77	.63	.50		.72	.80	1.03	.90	1.50	1.01	
63	.35	.38	.92	.84	.96	3.06	.57	.41	.81	TRACE	2.90	.64	3.06
64	1.06	1.01	.73	.71	.29	2.38	1.70	.87	1.79	1.59	1.89	.87	2.38
65	.60	1.08	1.39	.69	.22	1.14	.62	1.85	1.52	.64	.13	.41	1.85
66	.90	.97	.41	.98	.97	.90	.66	.28	2.36	3.55	.66	.80	3.55
67	.50	.75	.74	.36	1.95	.56	1.19	1.39	.63	.70	.71	1.06	1.95
68	1.46	.66	1.45	.53	2.16	.68	.27	.84	1.51	.49	2.12	.84	2.16
69	.72	1.18	.66	.82	.83	1.00	2.56	5.88	1.66	.52	.48	1.74	5.88
70	.37	.65	1.06	1.36	.45	1.38		.93	1.69	.78	1.05	.69	
71	.46	1.25	.79	1.34	2.68	.85	.75	2.76	.76	1.53	1.65	.51	2.76
72		1.21	.88	1.55	1.95	2.64	1.05	1.66	.79	1.66	1.34	.78	
73	.81	1.74	.55	.61	.62	.56	.48	2.65	1.37	1.52	.50	1.11	2.65
74	.66	.42	1.41	.35	.83	1.35	.28	3.71	1.12	.51	.26	1.66	3.71
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-77 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	1.25	.64	1.81	.79	1.14	1.14	1.91	1.73	2.75	1.61	.92	1.91	2.75
76	1.73	.56	.90	.67	1.51	.49	1.04	.84	1.79	1.46	.42	.92	1.79
77	.78	.41	.94	.51	.75	1.67	.73	1.09	2.01	1.97	1.31	1.87	2.01
MEAN	.94	.92	1.01	.90	1.22	1.30	1.33	1.89	1.37	1.35	1.27	1.03	3.03
S. D.	.536	.432	.404	.375	.668	.728	.926	1.428	.768	.843	.935	.405	1.093
TOTAL OBS.	930	848	992	990	1023	960	992	1023	960	1023	900	961	11602

NAVWEASERVCOM

192103

5723 Extreme Values Jan 1969

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 45-77 (YEARS)

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45											1.12 29		PRECIP DAYS
48											1.00 29		PRECIP DAYS
49									.68 29				PRECIP DAYS
50		.45 27											PRECIP DAYS
51			.51 30									1.15 29	PRECIP DAYS
52	1.31 30										2.89 29		PRECIP DAYS
53												.89 30	PRECIP DAYS
55		.69 27											PRECIP DAYS
62						.53 27							PRECIP DAYS
70							1.28 21						PRECIP DAYS
72	.46 29												PRECIP DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-77 YEARS

192107

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			.0	.0	.0	.0	.0	.0	.0	.0			
46	1.5	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.3
47	1.7	.8	7.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.0
48	5.5	3.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.5
49			TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	
50	.0		5.0		.0	.0	.0	.0	.0	.0	.2	TRACE	
51	TRACE	2.0		.0	.0	.0	.0	.0	.0	.0			
52		1.9	TRACE	.0	.0	.0	.0		.0	.0		.0	
53	TRACE	.0		.0	.0	.0		.0	.0		.3		
54	11.2	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.0	11.2
55	4.0		.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	
56	1.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.4
57	3.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.9
58	4.9	.4	7.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.0
59	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0		
60	1.8	5.4	9.4	TRACE	.0	.0	.0	.0	.0	.0	.0	4.0	9.4
61	5.0	4.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	5.0
62	5.3	4.0	2.3	.0	.0	.0	.0	.0	.0	.0	TRACE	6.5	6.5
63	1.6	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
64	5.4	7.2	3.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	7.2
65	5.2	3.7	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
66	9.0	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	8.0	9.0
67	5.0	7.5	TRACE	.0	.0	.0	.0	.0	.0	.0	7.1	2.0	7.5
68	3.0	4.1	2.3	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.1
69	.2	2.8	6.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.6	6.3
70	2.9	.7	TRACE	.0	.0	.0		.0	.0	.0	.0	.3	
71	1.0	TRACE	7.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	7.0
72		5.5	.0	.3	.0	.0	.0	.0	.0	TRACE	TRACE	.0	
73	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.9	2.0
74	TRACE	4.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.2
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 45-77 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	3.7	4.0	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
76	.2	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.7	1.8	1.8
77	6.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.3
MEAN	3.23	2.37	1.71	.01	TRACE	.00	.00	.00	.00	TRACE	.28	1.48	5.04
S. D.	2.779	2.248	2.820	.053	.000	.000	.000	.000	.000	.000	1.296	2.246	2.521
TOTAL OBS.	899	820	961	960	1023	990	961	992	990	992	900	899	11387

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

13721 PATUXENT RIVER, MARYLAND 45-77
STATION STATION NAME YEARS

192111

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45											.0 29	6.0 30	SNOFALL DAYS
49	.6 30	TRACE 27											SNOFALL DAYS
50		1.3 27		0									SNOFALL DAYS
51			TRACE 30								.0 29	TRACE 29	SNOFALL DAYS
52	TRACE 30							.0 29			1.3 29		SNOFALL DAYS
53			4.0 30				.0 30			.0 30		.0 30	SNOFALL DAYS
55		2.0 26											SNOFALL DAYS
59												.7 30	SNOFALL DAYS
70							.0 21						SNOFALL DAYS
72	.0 30												SNOFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 49-77 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
47													
48													
49		0	TRACE	0	0	0	0	0	0	0	0	0	
50	0		50		0	0	0	0	0	0	TRACE	0	
51	TRACE	2	0	0	0	0	0	0	0	0	0		
52		2	0		0	0	0		0	0		0	
53				0	0	0		0	0		2		
54	10	TRACE	0	TRACE	0	0	0	0	0	0	0	1	10
55	4	1	0	0	0	0	0	0	0	0	0		
56	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
57	5	1	0	0	0	0	0	0	0	0	0	2	5
58	4	4	3	0	0	0	0	0	0	0	0	6	6
59	1	0	0	0	0	0	0	0	0	0	0		
60	TRACE	4	10	0	0	0	0	0	0	0	0	4	10
61	5	3	0	0	0	0	0	0	0	0	0	0	5
62	5	4	4	0	0	0	0	0	0	0	0	6	6
63	2	1	0	0	0	0	0	0	0	0	0	1	2
64	6	7	3	TRACE	0	0	0	0	0	0	0	0	7
65	8	4	3	0	0	0	0	0	0	0	0	0	8
66	27	31	0	0	0	0	0	0	0	0	0	11	31
67	5	9	0	0	0	0	0	0	0	0	0	3	9
68	3	0	5	0	0	0	0	0	0	0	0	0	5
69	TRACE	1	6	0	0	0	0	0	0	0	0	TRACE	6
70	4	1	TRACE	0	0	0		0	0	0	0	TRACE	
71	2	1	7	0	0	0	0	0	0	0	0	0	7
72	0	2	0	TRACE	0	0	0	0	0	0	0	0	2
73	2	0	0	0	0	0	0	0	0	0	0	3	3
74	0	4	0	0	0	0	0	0	0	0	0	0	4
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13721 PATUXENT RIVER, MARYLAND 49-77
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	4	1	1	0	0	0	0	0	0	0	0	0	4
76	0	TRACE	0	0	0	0	0	0	0	0	TRACE	2	2
77	6	0	0	0	0	0	0	0	0	0	0	0	6
MEAN	4.0	3.1	3.3	TRACE	.0	.0	.0	.0	.0	.0	.1	1.6	6.6
S. D.	5.451	6.025	9.529	.000	.000	.000	.000	.000	.000	.000	.378	2.709	6.201
TOTAL OBS.	806	783	868	810	899	870	837	868	870	868	840	775	10074

NAVWEASERVCOM

192115
5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 49-77 YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			0	0	0	0	0	0	0	0	0	0	SNO DPTH
													DAYS
46	0	0	0	0	0	0	0	0	0	0	0	0	SNO DPTH
													DAYS
47	0	0	0	0	0	0	0	0	0	0	0	0	SNO DPTH
													DAYS
48	0	0	0	0	0	0	0	0	0	0	0	0	SNO DPTH
													DAYS
49	0												SNO DPTH
	30												DAYS
50		30											SNO DPTH
		27		0									DAYS
51												0	SNO DPTH
												29	DAYS
52	TRACE			0				0			TRACE		SNO DPTH
	30			29				29			29		DAYS
53	TRACE	0	4				0			0		0	SNO DPTH
	30	27	30				30			30		30	DAYS
55												0	SNO DPTH
												30	DAYS
59												TRACE	SNO DPTH
												30	DAYS
70							0						SNO DPTH
							21						DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

18721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 1946-1977 (YEARS)

JANUARY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.72	44	1961	5.3	135	1962
2	0.29	7	1953	0.7	18	1948
3	0.52	13	1960	T	T	1977*
4	0.74	19	1952	T	T	1953*
5	0.53	13	1949	0.7	18	1948
6	2.14	54	1962	2.9	74	1970
7	0.85	22	1976	6.3	160	1977
8	0.60	15	1965	2.0	51	1973
9	0.81	21	1964	2.0	51	1968
10	1.05	27	1952	4.1	104	1962
11	0.64	16	1975	4.0	102	1955
12	0.88	22	1948	1.0	25	1964
13	2.00	51	1948	5.4	137	1964
14	1.68	43	1958	2.0	51	1957
15	0.50	13	1954	3.9	99	1957
16	0.52	13	1965	5.2	132	1965
17	0.31	8	1970	1.7	43	1965
18	0.42	11	1953	0.4	10	1948
19	0.64	16	1961	5.0	127	1967
20	0.84	21	1947	3.7	94	1975
21	1.64	42	1949	T	T	1976*
22	1.40	36	1954	11.2	284	1954
23	0.43	11	1969	0.6	15	1948
24	0.62	16	1948	5.5	140	1948
25	0.92	23	1958	0.8	20	1957
26	0.90	23	1966	9.0	229	1966
27	1.73	44	1976	3.0	76	1966
28	1.31	33	1952	4.3	109	1962
29	0.80	20	1966	8.0	203	1966
30	0.90	23	1966	9.0	229	1966
31	0.68	17	1949	1.6	41	1963
Monthly	2.14	54	1962	11.2	284	1954

FEBRUARY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.88	22	1958	4.0	102	1962
2	1.74	44	1973	5.5	140	1972
3	0.92	23	1952	4.0	102	1961
4	0.92	23	1952	3.0	76	1975
5	0.81	21	1960	T	T	1957*
6	0.66	17	1964	1.0	25	1967
7	1.15	29	1971	3.0	76	1967
8	1.75	44	1961	4.2	107	1974
9	0.65	17	1970	3.0	76	1967
10	0.45	11	1949	2.0	51	1967
11	0.72	18	1964	7.2	183	1964
12	0.56	14	1953	2.0	51	1961
13	1.25	32	1971	5.4	137	1960
14	0.37	9	1965	3.7	94	1965
15	1.44	37	1953	0.4	10	1958
16	0.46	12	1952	0.7	18	1962
17	0.75	19	1967	7.5	190	1967
18	1.09	28	1960	2.0	51	1967
19	1.21	31	1972	1.3	33	1972
20	0.43	11	1947	2.8	71	1969
21	2.09	53	1954	0.1	3	1960
22	0.80	20	1971	3.3	84	1948
23	1.18	30	1969	0.7	18	1972
24	0.40	10	1956	2.0	51	1966
25	0.70	18	1965	1.3	33	1950
26	0.73	19	1972	1.5	38	1952
27	1.14	29	1958	1.9	48	1952
28	0.97	25	1966	6.9	175	1964
29	0.66	17	1968	4.1	104	1968
30						
31						
Monthly	2.09	53	1954	7.5	190	1967

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

13721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
1945-1977 — YEARS

MARCH — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.82	21	1952	2.3	58	1968
2	0.90	23	1948	6.3	160	1969
3	0.94	24	1960	9.4	239	1960
4	1.05	27	1955	0.3	8	1960
5	1.39	35	1965	2.2	56	1962
6	1.21	31	1955	2.3	58	1962
7	1.19	30	1948	3.2	81	1969
8	1.08	27	1950	7.0	178	1947
9	0.90	23	1976	2.4	61	1960
10	0.67	17	1968	3.8	97	1960
11	0.83	21	1963	T	T	1974*
12	1.33	34	1968	T	T	1974*
13	0.71	18	1958	T	T	1968*
14	0.77	20	1956	T	T	1970*
15	0.81	21	1953	T	T	1970*
16	1.19	30	1974	5.0	127	1960*
17	1.45	37	1968	1.0	25	1950
18	0.97	25	1949	T	T	1961*
19	1.89	48	1946	T	T	1963*
20	1.97	50	1958	7.0	178	1958
21	0.91	23	1974	2.0	51	1958
22	1.08	27	1950	T	T	1973*
23	0.62	16	1949	T	T	1967
24	1.37	35	1952			
25	1.09	28	1953			
26	0.81	21	1965	7.0	178	1971
27	0.64	16	1959	0.9	23	1947
28	0.18	5	1950	0.8	20	1947
29	1.12	28	1974			
30	1.41	36	1974	3.0	76	1964
31	0.92	23	1961			
Monthly	1.97	50	1958	9.4	239	1960

APRIL — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.74	19	1948	T	T	1964
2	0.75	19	1959			
3	0.86	22	1960			
4	1.07	27	1960	T	T	1954
5	1.08	27	1952	T	T	1975*
6	1.38	35	1956	T	T	1971
7	0.64	16	1972	0.3	8	1972
8	0.98	25	1957	T	T	1972*
9	0.43	11	1947	T	T	1974
10	1.29	33	1958			
11	0.39	10	1962	T	T	1973
12	1.26	32	1947	T	T	1973*
13	0.41	10	1972*	T	T	1966
14	1.34	34	1976			
15	0.79	20	1975			
16	1.19	30	1947			
17	1.38	35	1945			
18	0.49	12	1949			
19	0.68	17	1969			
20	0.54	14	1958			
21	0.52	13	1958			
22	1.55	39	1972			
23	1.07	27	1958			
24	1.19	30	1945	T	T	1956
25	1.93	49	1946			
26	1.23	31	1952			
27	0.98	25	1954			
28	0.92	23	1966			
29	0.78	20	1951			
30	0.84	21	1963			
31						
Monthly	1.93	49	1946	0.3	8	1972

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

13721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
1945-1977 — YEARS

MAY — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.98	25	1976			
2	0.34	9	1974			
3	0.98	25	1954			
4	0.91	23	1958			
5	0.32	8	1958			
6	0.83	21	1958			
7	1.95	50	1967			
8	0.70	18	1971			
9	0.51	13	1960			
10	0.17	4	1945			
11	1.98	50	1961			
12	0.83	21	1974			
13	1.08	27	1971			
14	1.29	33	1972			
15	1.77	45	1950			
16	1.76	45	1971			
17	1.87	47	1945			
18	1.91	49	1946			
19	1.15	29	1957			
20	0.84	21	1953			
21	0.97	25	1966			
22	0.80	20	1949			
23	0.92	23	1951			
24	0.50	13	1949			
25	1.99	51	1958			
26	1.16	29	1948			
27	0.66	17	1957			
28	2.16	55	1968			
29	1.51	38	1976			
30	2.68	68	1971			
31	1.95	50	1972			
Monthly	2.68	68	1971			

JUNE — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.14	29	1975			
2	1.35	34	1974			
3	3.06	78	1963			
4	1.12	28	1946			
5	2.39	61	1957			
6	1.47	37	1977			
7	1.29	33	1947			
8	1.02	26	1951			
9	0.51	13	1958			
10	1.54	39	1951			
11	2.49	63	1945			
12	0.85	22	1971			
13	1.08	27	1959			
14	2.37	60	1960			
15	1.14	29	1965			
16	0.90	23	1966			
17	1.67	42	1979			
18	0.97	25	1958			
19	1.83	46	1949			
20	1.02	26	1964			
21	1.55	39	1961			
22	2.64	67	1972			
23	0.54	14	1974			
24	2.38	60	1964			
25	0.31	8	1955			
26	1.13	29	1958			
27	1.13	29	1956			
28	0.88	22	1972			
29	1.03	26	1972			
30	0.45	11	1946			
31						
Monthly	3.06	78	1963			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 1945-1977 (YEARS)

JULY (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.55	14	1960			
2	1.52	39	1945			
3	0.84	21	1950			
4	1.04	26	1967			
5	1.07	27	1945			
6	0.71	18	1961			
7	0.42	11	1954			
8	1.91	49	1956			
9	1.70	43	1945			
10	1.67	42	1959			
11	1.42	36	1975			
12	2.56	65	1969			
13	1.91	49	1975			
14	1.93	49	1959			
15	2.16	55	1959			
16	1.57	40	1949			
17	2.58	66	1945			
18	1.96	50	1945			
19	0.91	23	1959			
20	1.22	31	1956			
21	1.18	30	1947			
22	2.17	55	1969			
23	1.84	47	1948			
24	3.04	77	1958			
25	0.32	8	1956			
26	0.22	6	1974			
27	1.62	41	1960			
28	0.83	21	1969			
29	1.42	36	1960			
30	4.61	117	1960			
31	0.60	15	1948			
Monthly	4.61	117	1960			

AUGUST (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.26	83	1949			
2	0.67	17	1974			
3	1.25	32	1953			
4	2.19	56	1948			
5	1.66	42	1972			
6	1.73	44	1975*			
7	3.71	94	1974			
8	3.03	77	1953			
9	1.04	26	1954			
10	0.53	13	1954			
11	0.76	19	1971			
12	4.96	126	1955			
13	2.39	61	1955			
14	2.98	76	1953			
15	2.00	51	1958			
16	1.41	36	1975			
17	0.48	12	1958			
18	1.53	39	1955			
19	1.62	41	1957			
20	5.88	149	1969			
21	2.65	67	1973			
22	0.74	19	1967			
23	0.83	21	1967			
24	2.54	65	1958			
25	4.67	119	1958			
26	2.76	70	1971			
27	3.19	81	1947			
28	1.08	27	1949			
29	0.50	13	1959			
30	0.80	20	1957			
31	0.76	19	1959			
Monthly	5.88	149	1969			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 1945-1977 (YEARS)

SEPTEMBER (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.78	20	1975			
2	1.66	42	1969			
3	0.99	25	1974			
4	0.16	4	1974			
5	0.33	8	1953			
6	1.20	30	1968			
7	1.04	26	1957			
8	0.45	11	1948			
9	2.01	51	1977			
10	1.69	43	1970			
11	1.11	28	1960			
12	3.89	99	1960			
13	0.98	25	1950			
14	2.16	55	1966			
15	1.93	49	1951			
16	1.52	39	1965			
17	1.28	33	1945			
18	2.21	56	1975			
19	0.97	25	1955			
20	0.98	25	1946			
21	2.67	68	1946			
22	1.22	31	1952			
23	2.75	70	1975			
24	0.78	20	1946			
25	0.98	25	1947			
26	0.70	18	1962			
27	1.57	40	1976			
28	1.12	28	1974			
29	0.81	21	1963			
30	1.79	45	1964			
31						
Monthly	3.89	99	1960			

OCTOBER (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.59	40	1964			
2	1.52	39	1973			
3	0.18	5	1961			
4	0.90	23	1962			
5	2.05	52	1948			
6	1.76	45	1957			
7	0.77	20	1951			
8	0.85	22	1947			
9	0.96	24	1975			
10	1.29	33	1971			
11	0.96	24	1952			
12	0.47	12	1946			
13	0.16	4	1959			
14	1.20	30	1959			
15	0.42	11	1954			
16	0.71	18	1964			
17	1.61	41	1975			
18	1.09	28	1957			
19	3.55	90	1966	T	T	1972
20	1.46	37	1976			
21	3.53	90	1961			
22	0.94	24	1958			
23	2.38	60	1945			
24	1.23	33	1959			
25	1.53	39	1971			
26	1.97	50	1979			
27	0.40	10	1954			
28	2.17	55	1953			
29	0.97	25	1973			
30	1.61	41	1956			
31	2.63	67	1949			
Monthly	3.55	90	1966	T	T	1972

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

13721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
1945-1977 — YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.95	50	1949			
2	4.22	107	1956			
3	3.79	96	1947	T	T	1962
4	0.72	18	1950			
5	1.08	27	1962	T	T	1962
6	2.50	63	1963	0.3	8	1953
7	1.57	40	1959	0.1	3	1953
8	1.34	34	1972	T	T	1976
9	1.50	38	1962			
10	1.07	27	1955			
11	0.74	19	1947			
12	2.12	54	1968	0.7	18	1976
13	0.71	18	1975			
14	1.12	28	1945			
15	1.05	27	1970			
16	0.62	16	1956			
17	0.69	18	1956	T	T	1967
18	0.73	19	1962			
19	1.20	30	1972	T	T	1968*
20	0.67	17	1952			
21	2.89	73	1952			
22	0.98	25	1945	T	T	1972
23	0.91	23	1953			
24	2.08	52	1959			
25	1.39	35	1964	T	T	1950
26	0.31	8	1951	T	T	1977*
27	0.72	18	1948	T	T	1977*
28	1.00	25	1948	0.1	3	1950
29	1.02	26	1963	0.4	10	1952
30	0.71	18	1967	7.1	180	1967
31						
Monthly	4.22	107	1956	7.1	180	1967

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.73	19	1974	T	T	1956*
2	0.17	4	1952	T	T	1955*
3	1.48	38	1948			
4	1.03	26	1950	3.0	76	1957
5	1.21	31	1945	T	T	1954
6	0.81	21	1959	1.0	25	1954
7	0.92	23	1976	T	T	1975*
8	0.86	22	1974	1.8	46	1976
9	1.24	31	1957	T	T	1977*
10	1.74	44	1969			
11	1.32	34	1960	4.0	102	1960
12	0.87	22	1959	2.0	51	1960
13	0.87	22	1959	0.6	15	1945
14	0.89	23	1953	3.6	91	1958
15	1.19	30	1948*	0.6	15	1945
16	1.66	42	1974	1.4	36	1973
17	0.68	17	1961	1.9	48	1973
18	1.87	47	1977	1.5	38	1946
19	0.92	23	1948	6.0	152	1945
20	1.40	36	1946	T	T	1948*
21	0.92	23	1952	6.5	165	1962
22	0.93	24	1969	2.0	51	1967
23	0.57	14	1961	3.0	76	1966
24	0.80	20	1966	8.0	203	1966
25	0.53	13	1945	4.5	114	1962
26	1.24	31	1969	1.5	38	1947
27	0.87	22	1964	T	T	1977*
28	0.78	20	1967	2.0	51	1966
29	1.09	28	1958	1.2	30	1976
30	0.98	25	1969	T	T	1977*
31	1.91	49	1975	6.3	160	1946
Monthly	1.91	49	1975	8.0	203	1966

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

NWSD, Federal Building

Asheville, N. C.

PART C SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

   NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

   A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

   a. Three tables are prepared for all surface winds included, and for all years combined as follows:

      (1) Annual - all hours combined

      (2) By month - all hours combined

      (3) By month - by standard 3-hour groups

   b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-77 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			W 47	WNW 46	NW 46	N 42	NW 45	W 35	E 48	NW 42	NW 43	S 38	
46	N 37	NW 49	W 42	NW 43	NW 36	N 51		NW 41	NW 37	WNW 49	NNW 36	NW 58	
47	NW 46	WNW 47	W 57	SW 34	WSW 45	NE 48	N 31	ESE 24	NNW 35	NE 33	NW 42	NW 37	W 57
48	NW 36	NW 40	NW 37		WNW 47	NNE 39	SW 44	NW 32	NNW 33	NNE 44	WNW 40	NNW 50	
49	WNW 48	WNW 48	WNW 49	ESE 40	NW 48	ESE 40	SW 68	ESE 65	NW 34	NNE 35	NNW 43	WNW 43	SW 68
50	NW 46	NW 49	WNW 46	NW 40	NW 60	WNW 41	WNW 39	NW 47	NW 36	NW 42	NNW 49	NW 42	NW 60
51	NW 44	NW 49	NW 44	N 38	NNW 39	W 43	NW 54	NW 52	NW 30	NW 48			
52	NW 40	NW 44	NW 46	N 42	SW 35	SW 50	NW 34	W 44	S 58	NW 46	SE 45	NW 37	S 58
53	44	WNW 36	NW 38	WNW 42	WNW 44	NW 55	N 39	N 48	WNW 46	NW 39	NW 50	NW 48	NW 55
54	NW 48	N 51	S 48	NW 46	N 46	NW 70	NW 71	WNW 61	WNW 46	ESE 110	WNW 46	N 48	ESE 110
55	NW 53	NW 54	SSW 62	NW 63	W 44	ESE 54	SW 42	ESE 69	N 51	NW 56	NW 47	NNW 46	ESE 69
56	WNW 55	WNW 61	NNW 52	NW 54	NW 52	NNW 47	NW 60	NW 62	ENE 55	N 48	NW 51	NW 49	NW 62
57	NW 62	WNW 38	WNW 46	NW 60	NNW 38	SSW 60	NW 33	SW 56	WNW 38	ESE 69	NW 48	SSE 53	ESE 69
58	ENE 48	NNW 49	N 37	NNW 41	WNW 42	NW 60	W 40	SW 46	W 40	NNW 39	NNW 55		
59	NW 47	NW 43	WNW 47	NE 37	NW 31	WNW 43	NW 42	NNE 31	SE 31	S 30	NW 42	NW 38	NW 47
60	WNW 42	E 61	WNW 48	NW 38	WNW 37	SW 48	WSW 40	NW 43	NNW 45	N 35	SW 31	NNW 43	E 61
61	NNW 44	WSW 47	NW 40	E 43	WNW 33	WSW 48	W 34	SSW 28	N 29	NNE 30	WNW 34	SSW 29	WSW 48
62	NNW 32	N 27	N 35	W 34	SSW 32	SW 30	NW 35	SW 24	SE 23	W 26	ESE 36	NW 39	NW 39
63	NW 39	NW 31	W 34	SW 41	NW 28	NNE 32	W 27	NW 31	S 31	NW 27	NW 35	NW 30	SW 41
64	W 34	W 41	SW 45	WSW 35	WNW 26	W 51	E 40	E 34	NNE 39	WNW 31	SE 33	NW 39	W 51
65	NW 42	NW 42	SW 36	NW 38	SSW 43	W 38	NNW 32	NW 49	NW 26	SE 43	W 40	WNW 30	NW 49
66	W 41	SE 32	W 37	WSW 30	W 33	WNW 28	W 35	SW 34	ESE 29	NW 28	S 32	WNW 33	W 41
67	W 32	SSW 37	NW 46	NW 44	WSW 44	SW 25	NW 32	SW 36	N 35	WSW 42	NW 40	WSW 40	NW 46
68	NNW 35	NW 36	NW 43	NW 36	WNW 36	S 38	NNW 29	E 47	S 29	NW 29	NNE 39	W 40	E 47
69	W 30	NW 42	NW 35	N 34	SSW 37	WSW 40	NNW 32	SSW 39	S 25	WNW 29	NNW 42	NW 38	NW 42
70	NW 42	NW 37	N 26	W 44	NW 28	SW 30		NW 29	W 40	NW 28	NW 33	NW 38	
71	W 43	27 42	31 40	34 36	25 77	32 49	15 34	01 29	03 24	15 28	30 34	24 44	25 77
72	31 34	21 42	27 35	02 28	32 25	34 37	24 26	24 24	21 28	32 30	14 42	29 31	21 42
73	26 32	19 36	24 42	29 32	33 28	02 23	31 23	25 23	16 30	16 30	21 36	02 36	24 42
74	23 25	16 36	26 43	25 36	32 31	32 29	29 36	15 27	33 34	33 27	27 32	10 49	10 49
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

13721 PATUXENT RIVER, MARYLAND 65-77
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	31 40	22 37	31 37	29 47	30 30	24 40	01 31	25 33	29 31	08 25	30 29	19 31	29 47
76	32 32	29 41	31 37	30 27	30 29	16 23	06 39	32 18	33 16	05 25	01 28	30 38	29 41
77	36 41	31 35	29 40	02 39	05 42	23 40	29 53	24 34	08 40	27 36	29 39	30 38	24 54
MEAN	41.3	42.5	42.9	40.3	39.2	42.2	39.4	39.8	35.5	38.8	39.8	40.4	54.5
S. D.	7.582	7.955	7.504	8.000	10.669	11.182	11.403	13.495	9.454	16.283	6.844	7.173	15.126
TOTAL OBS.	987	899	1018	955	1020	986	957	1014	986	1018	949	956	11745

NAVWEASERVCOM

19607 1 2
5723 Extreme Values Jan 1969

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-77 YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46							W 39 26						WINDS DAYS
48				NW 43 25									WINDS DAYS
51											SSE 42 29	WNW 41 25	WINDS DAYS
58												NNE 37 26	WINDS DAYS
70							NE 33 21						WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.9	2.6	.6								7.1	5.8
NNE		1.3	1.3	.6								3.2	7.0
NE	.6											.6	2.0
ENE	.6		.6									1.3	5.5
E	.6	1.3	.6									2.6	5.0
ESE		.6	.6									1.3	7.0
SE	1.3	.6	.6									2.6	5.0
SSE	.6	3.2	1.3	.6								5.8	6.1
S	2.6	1.9	1.9									6.5	5.3
SSW	.6	.6	1.3	1.9								4.5	9.4
SW	1.3	1.3	.6	.6								3.9	6.2
WSW	1.3	1.9	3.9									7.1	6.5
W	2.6	3.9	1.9									8.4	5.2
WNW	1.9	.6	3.9	1.9	.6							9.0	9.0
NW		4.5	1.9	1.3								7.7	7.0
NNW	3.9	5.2	4.5	1.9								15.5	6.4
VARBL													
CALM												12.9	
	20.0	29.0	27.7	9.7	.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	4.5	1.3								9.0	7.5
NNE	1.3	1.9	.6									3.9	4.8
NE													
ENE		.6	.6									1.3	5.5
E		.6	.6									1.3	6.0
ESE		1.3										1.3	5.0
SE	1.3	.6	.6									2.6	4.5
SSE	1.3	1.9										3.2	3.6
S	.6	3.9	1.9									6.5	5.6
SSW		.6	1.9	.6								3.2	8.4
SW			1.3	.6								1.9	10.7
WSW		.6	.6	1.9		.6						3.9	11.5
W	1.3	1.3	3.2	1.3								7.1	7.5
WNW	2.6	1.3	2.6	3.9								10.3	8.1
NW	3.2	3.2	1.9	.6								9.0	4.9
NNW	1.3	5.2	5.8	1.3								13.5	7.0
VARBL													
CALM												21.9	
	13.5	25.8	26.5	11.6		.6						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.9	2.6	.6								7.7	6.5
NNE	1.3	1.9										3.2	4.0
NE	.6	1.9	.6									3.2	5.6
ENE	1.9	1.9										3.9	3.8
E	.6	1.3										1.9	4.3
ESE		.6	.6									1.3	5.5
SE	.6	1.3	1.3									3.2	5.2
SSE	1.3	.6	.6									2.6	4.5
S	1.3	3.2	.6	.6								5.8	5.4
SSW	1.3	1.3	1.3	1.3								5.2	6.9
SW	2.6	2.6	.6		.6							6.5	5.8
WSW	1.3	1.3	1.3	1.3								5.2	7.1
W	3.2	3.9	1.3	.6								9.0	5.3
WNW	1.3	1.3	3.2	.6	.6							7.1	8.5
NW	1.9	3.2	1.9	1.3								8.4	6.5
NNW	5.2	1.9	3.9	1.3								12.3	5.8
VARBL													
CALM												13.5	
	25.2	32.3	20.0	7.7	1.3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	3.2	5.2	1.3								11.6	7.1
NNE	.6	3.9	.6									5.2	4.9
NE	.6		1.3									1.9	6.0
ENE	.6	1.3	.6									2.6	5.5
E	1.3	3.2		.6								5.2	4.9
ESE		.6										.6	6.0
SE		.6	.6									1.3	7.0
SSE	.6	2.6	1.9									5.2	5.9
S	.6	1.9	1.3	.6	.6							5.2	7.9
SSW		1.9	3.2	1.3								6.5	8.2
SW	.6	.6	1.3	1.9								4.5	9.1
WSW		1.9	1.9	1.3								5.2	9.1
W	.6	1.9	2.6	3.2	.6							9.0	9.8
WNW	1.3	1.3	3.2	1.3								7.1	8.4
NW	1.3	3.9	1.3	3.2	1.3							11.0	9.4
NNW	1.9	3.2	6.5	.6								12.3	6.9
VARBL													
CALM												5.8	
	12.3	32.3	31.6	15.5	2.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	3.9	1.3	1.9								8.4	7.3
NNE		3.9	1.9									5.8	6.1
NE	1.3	1.3										2.6	4.0
ENE	1.3	1.9										3.2	4.0
E	2.6	2.6	.6									5.8	4.4
ESE	1.3	1.3	1.3									3.9	4.7
SE	1.9	4.5	1.3									7.7	5.0
SSE		2.6	1.9									4.5	6.7
S		.6	1.9	1.3	.6							4.5	11.7
SSW	.6	1.3	1.9	1.3								5.2	7.6
SW		.6	.6	1.3								2.6	9.5
WSW		1.9	.6	3.2	1.9							7.7	12.0
W		.6	3.2	2.6	.6							7.1	11.0
WNW		1.3	2.6	1.3	1.9							7.1	12.3
NW	1.3	2.6	3.2	4.5	.6							12.3	9.6
NNW	1.3	3.2	5.2	1.3	.6							11.6	7.9
VARBL													
CALM												.0	
	12.9	34.2	27.7	18.7	6.5							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	1.9	3.2	1.3								9.0	6.2
NNE	2.6	3.9		.6								7.1	4.5
NE	1.3	3.2	1.3									5.8	4.8
ENE	.6	1.3	.6									2.6	5.5
E	1.9	1.3										3.2	2.6
ESE	1.3	1.3										2.6	3.8
SE	1.9	1.9	5.2									9.0	6.6
SSE	.6	1.9	3.2	.6								6.5	6.9
S	.6	1.3	1.3	1.3								4.5	8.3
SSW		1.3	.6	.6								2.6	8.5
SW	.6	1.9	1.9	1.9								6.5	8.4
WSW	1.3		1.3	3.2								5.8	10.0
W		1.9	3.2	1.9	.6							7.7	9.3
WNW			1.9	1.3	.6							3.9	12.0
NW		5.2	3.9	2.6	1.3							12.9	9.2
NNW	.6	4.5	1.9	1.3								8.4	7.1
VARBL													
CALM												1.9	
	16.1	32.9	29.7	16.8	2.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	4.5	1.9	.6								7.7	6.5
NNE	1.3	1.9	1.3	.6								5.2	6.0
NE	1.3	1.9	.6									3.9	4.8
ENE													
E	.6	.6	1.3									2.6	5.5
ESE		.6	.6									1.3	5.5
SE	.6	1.3	1.3	.6								3.9	7.2
SSE	.6	4.5	.6	.6								6.5	5.5
S	3.9	3.2										7.1	3.3
SSW	.6	.6	1.9									3.2	7.2
SW	.6	1.3	2.6		.6							5.2	8.8
WSW	1.3	1.3	2.6	.6	.6							6.5	8.1
W	2.6	1.3	.6	.6	.6							5.8	6.2
WNW	1.9	2.6	1.9	1.3								7.7	6.6
NW	1.9	1.3	1.9	1.9		.6						7.7	8.8
NNW	.6	1.3	1.9	1.9	.6							6.5	10.0
VARBL													
CALM												19.4	
	18.7	28.4	21.3	9.0	2.6	.6						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	2.6	.6	1.3								6.5	6.2
NNE		1.3										1.3	6.0
NE	.6	1.3	1.3									3.2	4.8
ENE	.6	.6										1.3	4.5
E	1.3		.6	.6								2.6	6.8
ESE	.6	.6	1.3									2.6	6.3
SE		1.9	1.3									3.2	5.6
SSE	2.6	3.2										5.8	3.6
S	2.6	3.9	.6	.6								7.7	4.9
SSW	1.3	1.3	.6									3.2	5.0
SW	1.3	.6	2.6	.6								5.2	7.3
WSW	1.3	1.9	1.9	3.9	.6							9.7	9.4
W	1.9	1.9	.6	1.3								5.8	6.1
WNW	1.3	1.3	2.6	1.9		.6						7.7	9.2
NW	1.3	1.3	2.6	1.9	.6							7.7	8.8
NNW	2.6	4.5	3.2	1.3	.6	.6						12.9	7.4
VARBL													
CALM												13.5	
	21.3	28.4	20.0	13.5	1.9	1.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	3.1	2.7	1.1								8.4	6.7
NNE	.9	2.5	.7	.2								4.4	5.3
NE	.8	1.2	.6									2.7	4.8
ENE	.7	1.0	.3									2.0	4.7
E	1.1	1.4	.5	.2								3.1	4.8
ESE	.4	.9	.6									1.9	5.2
SE	1.0	1.6	1.5	.1								4.2	5.8
SSE	1.0	2.0	1.2	.2								5.0	5.5
S	1.5	2.5	1.2	.6	.2							6.0	6.2
SSW	.6	1.1	1.6	.9								4.2	7.7
SW	.9	1.1	1.5	.9	.2							4.5	7.9
WSW	.8	1.4	1.8	1.9	.4	.1						6.4	9.2
W	1.5	2.1	2.1	1.5	.3							7.5	7.6
WNW	1.3	1.2	2.7	1.7	.5	.1						7.5	9.0
NW	1.4	3.1	2.3	2.2	.5	.1						9.6	8.2
NNW	2.2	3.6	4.1	1.4	.2	.1						11.6	7.1
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	11.1	
	17.5	30.4	25.6	12.8	2.3	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.1	3.5	.7								7.8	6.5
NNE		1.4	.7	1.4								3.5	8.4
NE	.7	1.4	1.4		.7							4.3	8.0
ENE		2.8	.7									3.5	5.6
E	.7	.7	2.1									3.5	5.8
ESE													
SE	.7	2.8	.7									4.3	5.0
SSE	2.1	2.1	.7									5.0	4.1
S	1.4	.7	2.8	.7								5.7	7.3
SSW	.7	2.1	2.1	2.1								7.1	8.8
SW	1.4	1.4	4.3	2.8								9.9	8.5
WSW	1.4	1.4	1.4	.7								5.0	6.0
W			.7	.7	.7							2.1	13.3
WNW	2.1	2.1	.7	1.4	.7							7.1	7.9
NW	2.8	2.1	2.1	1.4								8.5	6.8
NNW	2.8	1.4	2.8	2.1	.7							9.9	8.1
VARBL													
CALM												12.8	
	18.4	24.8	27.0	14.2	2.8							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.1	2.8	.7								6.4	7.1
NNE	.7	2.1	2.1	.7								5.7	7.6
NE	.7	2.8	.7									4.3	5.8
ENE		.7										.7	6.0
E	1.4	1.4	1.4									4.3	5.2
ESE		.7										.7	4.0
SE	.7	1.4	.7									2.8	5.0
SSE	2.1		1.4									3.5	4.6
S	2.1	3.5		1.4								7.1	5.7
SSW	.7	.7	4.3	2.1								7.8	9.1
SW		2.1	1.4	1.4		.7						5.7	9.9
WSW	.7	1.4	1.4	2.1								5.7	8.3
W	2.1	2.1	1.4	.7								6.4	5.4
WNW	1.4	.7	.7	2.1	.7							5.7	9.8
NW	2.8	3.5	.7	2.1								9.2	6.4
NNW	3.5	2.1	5.7	2.1								13.5	7.2
VARBL													
CALM												10.6	
	19.9	27.7	24.8	15.6	.7	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.4	3.5	.7								7.1	7.0
NNE	2.1	.7	2.1	1.4								6.4	6.6
NE	1.4	.7		1.4								3.5	6.4
ENE		1.4	.7									2.1	5.7
E		1.4	.7	.7								2.8	7.5
ESE		.7										.7	5.0
SE		2.1	.7									2.8	6.0
SSE	.7		1.4									2.1	7.3
S	.7	.7	.7	.7								2.8	7.5
SSW	.7	2.1	.7	1.4								5.0	7.3
SW	5.0	1.4	5.0	2.8								14.2	7.1
WSW	2.1	2.8	1.4	.7								7.1	5.6
W	1.4	.7										2.1	3.0
WNW	3.5	1.4	2.8	1.4	.7							9.9	7.1
NW	1.4	2.8	1.4	2.8								8.5	7.9
NNW	2.8	3.5	2.1	2.8								11.3	6.9
VARBL													
CALM												11.3	
	23.4	24.1	23.4	17.0	.7							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	2.1	4.3	2.1								10.6	7.6
NNE	1.4	1.4	1.4	.7								5.0	6.0
NE	1.4	2.1	.7	1.4	.7							6.4	7.6
ENE		2.1	.7									2.8	6.8
E		2.1	.7									2.8	5.8
ESE			.7									.7	8.0
SE	1.4	.7	1.4	1.4								5.0	7.4
SSE	.7	.7	.7	.7								2.8	7.8
S	.7	1.4	1.4	.7								4.3	7.7
SSW		.7	1.4	2.1	.7							5.0	11.1
SW	.7	.7	5.0	3.5								9.9	9.6
WSW		2.1	4.3	3.5	.7							10.6	10.3
W	.7	1.4		2.1								4.3	8.7
WNW	.7		1.4	1.4	.7							4.3	11.5
NW		2.1	5.7	7.1								14.9	10.4
NNW		1.4	4.3	1.4	1.4							8.5	10.5
VARBL													
CALM												2.1	
	9.9	21.3	34.0	28.4	4.3							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.1	3.5	1.4								7.1	7.8
NNE	.7	3.5	1.4		.7							6.4	6.8
NE	.7	3.5		.7								5.0	6.1
ENE	2.1	2.1	2.1									6.4	4.8
E	1.4	1.4	.7									3.5	4.8
ESE	.7	1.4										2.1	3.7
SE	1.4	2.8	5.0	2.1								11.3	7.4
SSE	.7	.7	2.8	1.4	.7							6.4	9.2
S			1.4	2.1								3.5	11.0
SSW	.7		2.1	1.4	1.4							5.7	11.0
SW			1.4	2.1								3.5	11.6
WSW		.7	4.3	1.4	.7							7.1	10.7
W		.7	3.5	2.1	.7							7.1	11.1
WNW		1.4	1.4	2.1								5.0	9.3
NW		.7	4.3	2.8	.7							8.5	10.9
NNW	.7	.7	3.5	5.0	1.4							11.3	11.6
VARBL													
CALM												.0	
	9.2	22.0	37.6	24.8	6.4							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	3.5	1.4	.7								7.1	6.0
NNE		1.4	2.8	2.1								6.4	8.6
NE	2.1	2.1	.7	.7								5.7	6.0
ENE	1.4		.7									2.1	3.7
E	.7	1.4										2.1	3.7
ESE	2.8	3.5	.7									7.1	4.2
SE		4.3	7.1									11.3	7.2
SSE		2.1	5.7	2.8								10.6	8.5
S		.7	2.1									2.8	7.8
SSW		1.4	1.4	2.8								5.7	9.9
SW			1.4	2.8	.7							5.0	12.0
WSW		.7	1.4									2.1	7.7
W		1.4	3.5	1.4								6.4	9.1
WNW	.7		1.4	2.1								4.3	10.7
NW	1.4	.7	3.5	1.4								7.1	7.4
NNW	1.4	2.1	5.7	4.3	.7							14.2	9.6
VARBL													
CALM												.0	
	12.1	25.5	39.7	21.3	1.4							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	5.7	1.4	1.4								9.9	6.1
NNE	1.4	.7	.7									2.8	5.0
NE		.7	1.4		.7							2.8	10.0
ENE	.7	2.8	1.4									5.0	5.1
E	1.4											1.4	2.0
ESE	1.4	.7										2.1	3.0
SE	1.4	2.1	1.4									5.0	5.3
SSE	2.1	7.8	2.8									12.8	5.6
S	2.8	5.7	1.4									9.9	4.6
SSW	.7	2.1	2.1	.7								5.7	6.9
SW	1.4			.7								2.1	5.3
WSW	2.1	.7	.7	1.4								5.0	6.6
W	1.4	1.4	.7									3.5	4.8
WNW	1.4		1.4									2.8	5.3
NW			2.1	2.8	.7							5.7	12.9
NNW	4.3	2.8	2.8	1.4								11.3	6.1
VARBL													
CALM												12.1	
	24.1	33.3	20.6	8.5	1.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	4.3	2.8									7.8	6.4
NNE	.7	.7	1.4									2.8	5.8
NE	.7	.7	1.4	.7								3.5	8.2
ENE		2.1										2.1	5.3
E		.7										.7	5.0
ESE	.7	.7										1.4	4.0
SE	2.1	.7	.7									3.5	4.6
SSE	1.4	2.1	2.8									6.4	6.3
S	2.8	2.8	2.1	.7								8.5	6.0
SSW	.7	4.3	7.1									12.1	6.9
SW	.7		1.4	.7	1.4							4.3	11.3
WSW		.7	.7	.7								2.1	10.7
W	.7	.7	2.1	1.4								5.0	8.7
WNW	1.4	.7	.7	1.4	.7							5.0	8.3
NW	.7		2.8	2.8								6.4	9.9
NNW	3.5	2.8	3.5	2.1								12.1	6.9
VARBL													
CALM												16.3	
	17.0	24.1	29.8	10.6	2.1							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.9	2.9	1.0								8.0	6.8
NNE	.9	1.5	1.6	.8	.1							4.9	7.0
NE	1.0	1.8	.8	.6	.3							4.4	7.1
ENE	.5	1.8	.8									3.1	5.3
E	.7	1.2	.7	.1								2.7	5.2
ESE	.7	1.0	.2									1.9	4.1
SE	1.0	2.1	2.2	.4								5.8	6.4
SSE	1.2	2.0	2.3	.6	.1							6.2	6.7
S	1.3	2.0	1.5	.8								5.6	6.6
SSW	.5	1.7	2.7	1.6	.3							6.7	8.6
SW	1.2	.7	2.5	2.1	.3	.1						6.8	9.1
WSW	.8	1.3	2.0	1.3	.2							5.6	8.4
W	.8	1.1	1.5	1.1	.2							4.6	8.2
WNW	1.4	.8	1.3	1.5	.4							5.5	8.6
NW	1.2	1.5	2.8	2.9	.2							8.6	9.0
NNW	2.4	2.1	3.8	2.7	.5							11.5	8.3
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	8.2	
	16.8	25.4	29.6	17.6	2.3	.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1128

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	.6	3.2									5.2	5.9
NNE	1.9	1.3	.6	1.9								5.8	7.4
NE		1.9		1.3								3.2	7.8
ENE	1.9	.6										2.6	2.8
E	1.3	1.9	.6									3.9	4.7
ESE		1.3										1.3	5.0
SE		1.9	1.9									3.9	6.5
SSE	3.2	4.5	2.6									10.3	5.1
S		3.9	3.2	1.3								8.4	7.4
SSW	.6		3.9	1.3								5.8	8.8
SW	.6	.6	1.9	1.3								4.5	7.7
WSW	.6	.6	2.6									3.9	6.8
W	3.2	1.9	1.9	1.3								8.4	6.1
WNW		.6		3.2	.6							4.5	12.6
NW	.6	.6	1.9	5.2								8.4	10.5
NNW	.6	3.2	3.2	1.3								8.4	7.8
VARBL													
CALM												11.6	
	16.1	25.8	27.7	18.1	.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.3	1.3	1.9								6.5	7.4
NNE	.6	2.6	.6	.6								4.5	6.1
NE	1.9	2.6		.6								5.2	5.1
ENE	.6	1.3										1.9	3.7
E	.6	1.9	1.3									3.9	5.7
ESE	.6	1.3	.6									2.6	5.3
SE	2.6	1.3	.6									4.5	4.3
SSE		3.2	2.6	.6								6.5	7.2
S	2.6		.6	1.3								4.5	5.7
SSW	.6	1.9	.6	3.9								7.1	9.2
SW	1.3	.6	2.6									4.5	6.9
WSW	.6	1.3	.6	.6	.6							3.9	8.5
W	2.6	1.3	2.6	1.9								8.4	7.5
WNW	1.9	.6	1.3	3.2								7.1	9.3
NW	.6	3.2		1.3								5.2	7.0
NNW	1.3	3.2	6.5	.6								11.6	7.2
VARBL													
CALM												12.3	
	20.6	27.7	21.9	16.8	.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	1.3	2.6								6.5	8.3
NNE		3.2	1.3									4.5	6.1
NE	1.9	1.9	.6									4.5	5.0
ENE	1.9	.6	1.3	.6								4.5	6.3
E	1.3	2.6	1.3									5.2	5.0
ESE	.6	.6										1.3	4.0
SE	1.3	1.3	.6	1.3								4.5	7.0
SSE	.6	3.2	.6									4.5	5.0
S	1.3	1.9	1.9	1.3								6.5	7.2
SSW		.6	3.9	1.3								5.8	9.4
SW		3.2	3.2	1.3								7.7	8.2
WSW			.6									.6	7.0
W	1.9	3.2	1.3	1.3								7.7	6.8
WNW	.6		2.6	5.2								8.4	11.5
NW		.6			.6							1.3	13.5
NNW	.6	3.9	5.8	.6	.6							11.6	7.1
VARBL													
CALM												14.8	
	12.9	29.0	26.5	15.5	1.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	1.9	1.9								5.2	9.1
NNE	1.3	5.2	.6	.6								7.7	5.4
NE	.6	2.6	.6									3.9	5.2
ENE	1.9	3.2	.6	.6								6.5	5.4
E		1.3	1.3									2.6	7.0
ESE	.6	2.6	2.6									5.8	6.9
SE	1.3	1.9	1.9									5.2	5.5
SSE		1.9	.6	1.3	.6							4.5	9.0
S		2.6	1.9	1.9								6.5	9.1
SSW	1.9	1.3	1.9	1.3								6.5	7.3
SW		.6	1.9	3.2								5.8	12.1
WSW	.6	.6	3.2	1.9								6.5	8.6
W	.6	.6	.6	1.3	.6							3.9	10.2
WNW		.6	3.9	2.6								7.1	9.9
NW		2.6	1.9	7.1	1.9							13.5	12.2
NNW	.6		1.3	3.9								5.8	11.3
VARBL													
CALM												3.2	
	9.7	29.0	27.1	27.7	3.2							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.9	1.9									5.8	5.2
NNE	.6	3.9	1.9	1.3								7.7	6.7
NE	1.9	2.6										4.5	4.0
ENE		2.6	1.3									3.9	6.7
E	3.2	4.5	.6									8.4	4.2
ESE	.6	3.2	4.5									8.4	6.5
SE	.6	6.5	4.5	1.9								13.5	7.2
SSE		2.6	1.9	1.9								6.5	8.2
S	.6	1.3		1.3	.6							3.9	10.2
SSW				1.9								1.9	12.0
SW		1.9	1.3	3.2								6.5	10.8
WSW				.6	.6	.6						1.9	17.3
W			1.3	.6	.6	.6						3.2	15.8
WNW		.6	3.9	4.5	1.3							10.3	11.8
NW		.6	.6	2.6	3.9							7.7	15.8
NNW	.6	.6	.6	3.2								5.2	10.0
VARBL													
CALM												.6	
	10.3	32.9	24.5	23.2	7.1	1.3						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

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DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	3.2	1.3	.6								6.5	5.7
NNE		1.3	3.2									4.5	7.7
NE	.6	1.3	1.3	.6								3.9	7.3
ENE		.6										.6	6.0
E	1.3	3.2										4.5	4.1
ESE	1.3	5.8	2.6									9.7	5.7
SE	1.9	2.6	5.8	1.3								11.6	6.9
SSE	1.9	.6	9.0	3.9	.6							16.1	9.1
S	.6		1.3									1.9	6.0
SSW		.6	1.9	1.3								3.9	9.5
SW	.6		1.3	.6								2.6	8.8
WSW		.6	3.2	.6		.6						5.2	10.9
W	.6	.6	1.3	2.6								5.2	9.4
WNW			1.3	1.9	1.3							4.5	13.7
NW	1.3	1.9	3.2	3.2	.6							10.3	9.6
NNW	1.3	1.3		4.5	.6							7.7	10.9
VARBL													
CALM												1.3	
	12.9	23.9	36.8	21.3	3.2	.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.9	1.3		.6							6.5	6.6
NNE	1.3		1.3		.6							3.2	7.6
NE	.6	.6	.6									1.9	5.0
ENE		.6										.6	5.0
E	.6	2.6	2.6									5.8	6.6
ESE	1.3	1.3	.6									3.2	4.8
SE	.6	2.6	1.3									4.5	5.9
SSE	3.2	9.7	6.5	.6								20.0	5.6
S	3.2	3.2	3.9	.6								11.0	5.6
SSW	1.3	1.9	.6									3.9	5.2
SW	.6	.6	1.9	.6								3.9	7.0
WSW	.6	1.3	.6	1.3								3.9	7.8
W		.6		1.9		.6						3.2	13.6
WNW	.6		.6	2.6	1.3							5.2	12.4
NW	1.3		1.9	1.9	.6							5.8	9.9
NNW		3.2	1.9	1.9	.6							7.7	9.2
VARBL													
CALM												9.7	
	16.1	32.3	25.8	11.6	3.9	.6						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PATUXENT RIVER, MARYLAND — STATION NAME
73-77 — YEARS
MAR — MONTH
ALL WEATHER — CLASS
22 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	1.3	.6								4.5	6.9
NNE		1.9	1.3	.6								3.9	8.0
NE		1.9										1.9	4.0
ENE	1.9											1.9	2.3
E		1.9	1.9									3.9	6.2
ESE		1.3										1.3	5.5
SE	2.6	2.6	1.9	.6								7.7	5.5
SSE	3.2	5.8	2.6									11.6	4.6
S	3.2	3.2	3.9	1.3								11.6	6.4
SSW	1.3	1.3	1.3	.6								4.5	5.9
SW	.6		1.9	.6								3.2	8.0
WSW	1.9	1.3			.6							3.9	6.3
W	.6	3.2	.6	.6	.6							5.8	7.3
WNW	1.9	1.3	1.3	3.2								7.7	9.0
NW	.6	1.3	.6	3.2	.6							6.5	10.7
NNW	.6	1.9	2.6	3.9								9.0	10.1
VARBL													
CALM												11.0	
	19.4	31.0	21.3	15.5	1.9							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	1.7	1.0	.1							5.8	6.9
NNE	.7	2.4	1.4	.6	.1							5.2	6.7
NE	1.0	1.9	.4	.3								3.6	5.4
ENE	1.0	1.2	.4	.2								2.8	5.1
E	1.0	2.5	1.2									4.8	5.3
ESE	.6	2.2	1.4									4.2	5.9
SE	1.4	2.6	2.3	.6								6.9	6.3
SSE	1.5	4.0	3.3	1.0	.2							10.0	6.6
S	1.5	2.0	2.1	1.1	.1							6.8	7.0
SSW	.7	1.0	1.8	1.5								4.9	8.2
SW	.5	1.0	2.0	1.4								4.8	8.9
WSW	.6	.7	1.4	.6	.2	.2						3.7	8.9
W	1.2	1.5	1.2	1.5	.2	.2						5.7	8.6
WNW	.6	.5	1.9	3.3	.6							6.9	11.1
NW	.6	1.4	1.3	3.1	1.0							7.3	11.2
NNW	.7	2.2	2.7	2.5	.2							8.4	8.9
VARBL													
CALM												8.1	
	14.8	29.0	26.5	18.7	2.7	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.0	1.3	1.3								5.3	7.6
NNE	.7		.7									1.3	5.5
NE													
ENE													
E		2.0	2.7									4.7	6.3
ESE		1.3										1.3	6.0
SE	.7	1.3										2.0	3.3
SSE	.7	2.0	1.3									4.0	5.7
S	1.3	1.3	1.3	2.0								6.0	8.0
SSW	.7	2.7	5.3	1.3								10.0	7.8
SW	.7	2.0	4.0	3.3								10.0	9.4
WSW	2.0	1.3	1.3	1.3								6.0	6.4
W	.7	3.3	.7	2.0								6.7	6.9
WNW	4.0	4.7	2.0		.7	.7						12.0	6.5
NW	2.0	2.0	5.3	.7	.7							10.7	7.7
NNW	1.3	2.7	2.0	.7								6.7	6.8
VARBL													
CALM												13.3	
	15.3	28.7	28.0	12.7	1.3	.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.0	2.0	1.3								5.3	7.3
NNE	1.3	.7										2.0	3.0
NE		2.0										2.0	5.3
ENE	1.3	1.3										2.7	3.8
E		1.3	.7									2.0	6.3
ESE	1.3	1.3	.7									3.3	4.6
SE	1.3											1.3	2.0
SSE	1.3	.7	.7									2.7	4.8
S			1.3	.7								2.0	9.0
SSW	1.3	1.3	1.3	1.3								5.3	7.1
SW		2.7	4.0	5.3								12.0	9.8
WSW	1.3		4.0	.7								6.0	8.1
W	2.0	6.7	3.3	.7								12.7	6.0
WNW	2.7	3.3	1.3		.7	.7						8.7	7.6
NW	2.0	3.3	1.3	2.7								9.3	7.0
NNW	1.3	2.7	3.3			.7						8.0	7.0
VARBL													
CALM												14.7	
	17.3	29.3	24.0	12.7	.7	1.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.7	2.0	.7		.7						6.0	9.2
NNE		2.0										2.0	5.3
NE	1.3	3.3										4.7	4.1
ENE		1.3	.7	1.3								3.3	8.0
E		2.0	1.3	.7								4.0	7.3
ESE	1.3		.7									2.0	4.0
SE			.7									.7	8.0
SSE			2.0									2.0	7.7
S		.7	1.3			.7						2.7	11.3
SSW	.7	2.7	.7	2.0								6.0	7.2
SW		2.0	4.0	.7	1.3							8.0	9.6
WSW		1.3	2.0	2.7								6.0	9.9
W	1.3	2.0	4.0									7.3	6.9
WNW	2.7	5.3	4.7	.7		.7						14.0	6.8
NW	2.0	.7	4.0	2.7								9.3	8.3
NNW	1.3	4.0	4.0	.7								10.0	6.6
VARBL													
CALM												12.0	
	10.7	30.0	32.0	12.0	1.3	2.0						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		4.7	1.3	1.3		.7						8.0	8.2
NNE	.7	2.0	.7									3.3	5.4
NE		.7	2.0	1.3								4.0	9.0
ENE	.7	2.0	2.0									4.7	5.9
E	.7	1.3		.7								2.7	6.5
ESE		2.7	.7									3.3	5.4
SE	1.3	1.3	2.0									4.7	5.6
SSE		2.0	1.3									3.3	6.4
S	.7	2.7	.7	1.3								5.3	6.6
SSW	.7	.7	2.0	4.0								7.3	10.0
SW	2.0	1.3	.7	1.3		1.3						6.7	9.9
WSW	1.3		4.7	.7								6.7	8.1
W		1.3	2.7	2.7			.7					7.3	11.6
WNW	.7	4.0	2.7	3.3		.7						11.3	9.1
NW		2.7	6.0	5.3								14.0	9.8
NNW		.7	2.7	3.3								6.7	10.9
VARBL													
CALM												.7	
	8.7	30.0	32.0	25.3		2.7	.7					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.0	2.0	1.3								5.3	8.5
NNE	.7	.7		.7								2.0	6.0
NE	1.3	2.7	2.0	2.0								8.0	6.8
ENE	.7	2.0	2.0									4.7	5.7
E	.7	.7	.7									2.0	5.3
ESE	1.3	2.0	2.7	.7								6.7	6.4
SE	1.3	3.3	11.3	2.7								18.7	7.8
SSE		1.3	1.3	3.3								6.0	9.7
S			.7	2.0								2.7	11.3
SSW	.7			2.0								2.7	11.5
SW			.7	1.3								2.0	12.0
WSW			2.0	2.0	.7	.7						5.3	13.8
W		.7	2.7	4.7	.7							8.7	12.2
WNW			1.3	2.7	.7		.7					5.3	14.8
NW		.7	5.3	5.3	.7							12.0	10.9
NNW		.7	4.7	1.3	.7							7.3	10.1
VARBL													
CALM												.7	
	6.7	16.7	39.3	32.0	3.3	.7	.7					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.0	3.3	1.3								7.3	8.1
NNE	.7	3.3	1.3									5.3	5.5
NE	.7											.7	2.0
ENE													
E		2.0										2.0	4.7
ESE	1.3	1.3	2.7	.7								6.0	6.4
SE	.7	6.0	8.0	1.3								16.0	6.8
SSE	.7	2.0	6.7	6.7								16.0	9.6
S		.7	2.0	.7								3.3	9.2
SSW			.7	1.3	.7							2.7	12.5
SW		.7	.7	4.0								5.3	11.3
WSW			2.7	1.3								4.0	10.3
W		.7	2.7	2.0			.7					6.0	13.3
WNW		1.3	3.3	2.0		.7						7.3	10.5
NW		1.3	4.0	6.0		.7						12.0	10.9
NNW			.7	2.0	.7	.7						4.0	14.8
VARBL													
CALM												2.0	
	4.7	21.3	38.7	29.3	1.3	2.0	.7					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7		2.0	.7	.7							4.0	9.3
NNE	.7	2.0	.7	.7								4.0	6.3
NE	.7		.7									1.3	4.5
ENE													
E		.7										.7	6.0
ESE	1.3		1.3									2.7	4.8
SE	2.7	1.3	2.0									6.0	5.0
SSE	4.0	11.3	6.0	1.3								22.7	5.9
S	3.3	8.0	6.7	.7								18.7	6.0
SSW	1.3	.7	1.3		.7							4.0	7.2
SW	.7	.7		1.3								2.7	8.5
WSW		1.3	.7									2.0	6.7
W	1.3	1.3	3.3				.7					6.7	8.8
WNW	.7		.7	2.7		.7						4.7	12.1
NW	.7	.7	2.0	2.7	.7							6.7	10.2
NNW	.7	2.7	2.7	2.7		.7						9.3	8.9
VARBL													
CALM												4.0	
	18.7	30.7	30.0	12.7	2.0	1.3	.7					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS)

22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	1.3	.7								3.3	6.8
NNE	.7	.7	.7									2.0	4.0
NE	.7	1.3										2.0	4.0
ENE	.7	1.3										2.0	4.0
E	.7	1.3	1.3									3.3	5.8
ESE	1.3	2.0										3.3	3.8
SE	.7	2.0										2.7	4.0
SSE	1.3	4.0	5.3									10.7	6.1
S	3.3	4.7	4.7	.7								13.3	5.8
SSW	3.3	2.0	3.3	1.3								10.0	6.5
SW	1.3	2.7	2.0	2.0								8.0	7.1
WSW	.7	1.3		.7								2.7	6.5
W		.7	2.0	1.3								4.0	9.5
WNW	.7	1.3	2.0	.7	.7	.7						6.0	11.4
NW	.7		3.3	1.3								5.3	9.4
NNW	.7	.7	4.7	.7	1.3							8.0	9.3
VARBL													
CALM												13.3	
	17.3	26.7	30.7	9.3	2.0	.7						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.0	1.9	1.1	.1	.2						5.6	8.2
NNE	.7	1.4	.5	.2								2.7	5.3
NE	.6	1.2	.6	.4								2.8	6.0
ENE	.4	1.0	.6	.2								2.2	5.7
E	.2	1.4	.8	.2								2.7	6.2
ESE	1.0	1.3	1.1	.2								3.6	5.4
SE	1.1	1.9	3.0	.5								6.5	6.5
SSE	1.0	2.9	3.1	1.4								8.4	7.1
S	1.1	2.2	2.3	1.0		.1						6.7	7.1
SSW	1.1	1.2	1.8	1.7	.2							6.0	8.1
SW	.6	1.5	2.0	2.4	.2	.2						6.8	9.5
WSW	.7	.7	2.2	1.2	.1	.1						4.8	8.9
W	.7	2.1	2.7	1.7	.1		.2					7.4	9.1
WNW	1.4	2.5	2.2	1.5	.3	.6	.1					8.7	9.0
NW	.9	1.4	3.9	3.3	.2	.1						9.9	9.4
NNW	.7	1.7	3.1	1.4	.3	.2						7.5	8.8
VARBL													
CALM												7.6	
	12.4	26.7	31.8	18.2	1.5	1.4	.3					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.3	1.3	.6								5.2	5.1
NNE	.6		.6									1.3	5.0
NE	.6	1.9	.6									3.2	5.2
ENE	.6	1.3										1.9	4.0
E	1.3	2.6	.6									4.5	4.4
ESE		1.3	1.3									2.6	6.5
SE	1.3	2.6	.6									4.5	4.9
SSE	3.9	1.3	1.3	.6								7.1	4.6
S	3.9	5.8	4.5	.6								14.8	5.8
SSW		3.2	2.6	1.9	.6							8.4	8.6
SW	1.3	1.3	3.9	1.3								7.7	7.3
WSW	1.9	2.6	.6									5.2	4.6
W	1.9	3.9	.6	.6								7.1	5.5
WNW	1.3	2.6	.6	1.3								5.8	6.3
NW	1.9	1.9	.6									4.5	4.9
NNW	.6	.6	2.6	.6								4.5	7.9
VARBL													
CALM												11.6	
	23.2	34.2	22.6	7.7	.6							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3		1.3									2.6	4.8
NNE	.6	1.9	1.9									4.5	6.0
NE	1.3	1.3										2.6	3.8
ENE	.6			1.9								2.6	10.0
E	.6	.6	.6									1.9	5.3
ESE	1.3	1.3										2.6	4.0
SE	1.3	1.3	.6	.6								3.9	6.2
SSE	1.9	1.3	1.9	.6								5.8	5.3
S	1.3	1.3	1.9	.6								5.2	6.6
SSW	2.6	1.9	5.2	1.3								11.0	7.2
SW	.6	1.9	1.3	.6								4.5	6.3
WSW	1.9	1.9	1.3	.6								5.8	5.7
W	5.2	2.6	1.9									9.7	4.3
WNW	2.6	4.5										7.1	4.0
NW	1.9	3.2	1.3	1.9	.6							9.0	7.4
NNW	.6	3.2	2.6	.6								7.1	6.6
VARBL													
CALM												14.2	
	25.8	28.4	21.9	9.0	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.9	.6	.6								5.8	6.1
NNE	1.3	2.6	.6									4.5	4.9
NE		1.9	1.3									3.2	6.8
ENE		1.3										1.3	5.0
E	1.3	1.9	2.6									5.8	5.9
ESE		1.3										1.3	5.0
SE	.6	1.3	1.3									3.2	5.8
SSE	1.3	1.9	1.3									4.5	5.1
S	3.2	3.2	1.9	1.3								9.7	5.8
SSW	.6	2.6	3.2	.6								7.1	7.9
SW	.6	1.3	5.2	.6								7.7	7.7
WSW		.6	3.2	.6								4.5	8.1
W	1.3	5.8	1.9	.6								9.7	5.9
WNW	1.9	3.9	1.9	.6								8.4	5.4
NW	2.6	1.9	2.6	1.9								9.0	7.0
NNW	.6	3.9	1.3	1.3								7.1	6.6
VARBL													
CALM												7.1	
	16.1	39.4	29.0	8.4								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

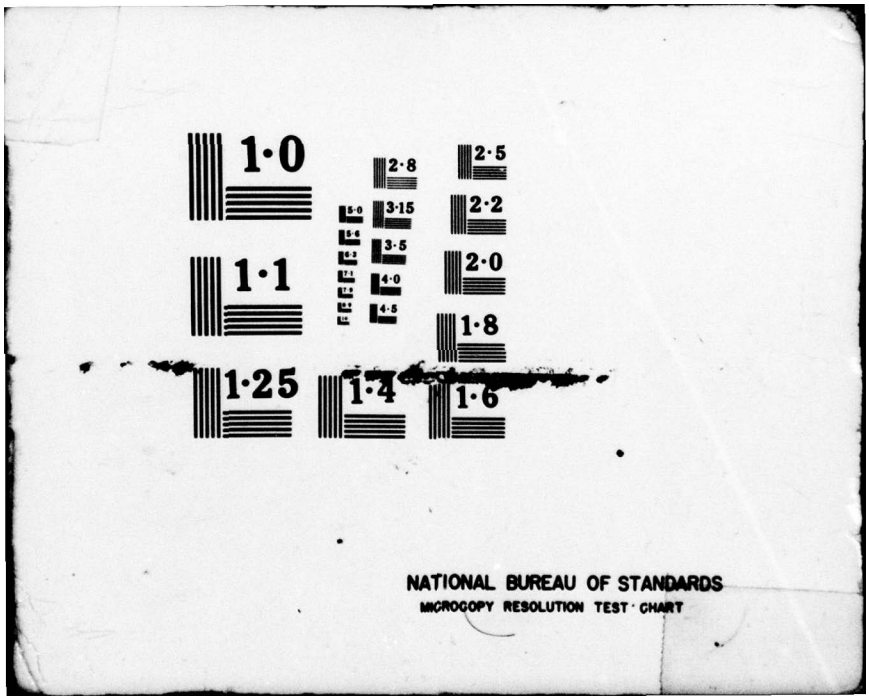
5702 SURFACE WINDS JAN 78

AD-A060 969 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) PATUXENT--ETC(U)
JUL 78

UNCLASSIFIED NL

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NATIONAL BUREAU OF STANDARDS
MICROCOPY RESOLUTION TEST CHART

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	5.2	1.9	.6								9.7	5.9
NNE	1.3	3.9	3.2									8.4	5.4
NE		.6	1.3									1.9	6.3
ENE	.6	1.9	.6									3.2	4.8
E	1.3	4.5										5.8	4.2
ESE		4.5	2.6	1.3								8.4	7.0
SE		5.8	5.2									11.0	6.5
SSE	.6		3.9	1.3								5.8	8.6
S	.6	.6	1.9	.6								3.9	7.2
SSW	.6	.6	4.5	.6								6.5	8.3
SW	.6		1.3	2.6								4.5	10.3
WSW		.6	1.3	.6								2.6	8.3
W	1.3	1.3	1.9	1.9								6.5	8.0
WNW		1.9	2.6	.6								5.2	7.6
NW		1.3	3.2	4.5	.6							9.7	10.6
NNW		3.2	.6	.6								4.5	6.9
VARBL													
CALM												2.6	
	9.0	36.1	36.1	15.5	.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	6.5	1.9									9.0	5.2
NNE	.6	2.6	2.6									5.8	5.9
NE	1.9	2.6										4.5	4.1
ENE			1.3									1.3	8.5
E			2.6									2.6	8.3
ESE	1.9	3.9	3.9	1.3								11.0	6.9
SE	.6	7.7	4.5	3.9								16.8	7.8
SSE		3.2	6.5	3.9								13.5	8.8
S		1.3	2.6	1.3								5.2	9.0
SSW			1.9	1.3								3.2	11.0
SW		.6	1.9									2.6	8.0
WSW			1.9	1.9								3.9	11.7
W	.6	.6	1.9	1.3								4.5	8.6
WNW		1.3	1.9	1.3								4.5	8.1
NW		2.6	1.3	2.6	.6							7.1	10.5
NNW			1.9	.6								2.6	9.5
VARBL													
CALM												1.9	
	6.5	32.9	38.7	19.4	.6							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	1.3									3.2	6.0
NNE	.6	3.2	3.2									7.1	5.9
NE	1.3	1.9										3.2	3.6
ENE	.6	1.9	.6									3.2	4.8
E		.6		1.3								1.9	9.0
ESE	.6	3.2	3.9									7.7	6.1
SE		5.8	8.4	2.6								16.8	7.9
SSE	1.3	1.9	10.3	7.7								21.3	9.6
S		.6	1.9	1.9	.6							5.2	10.9
SSW			2.6	1.9								4.5	10.4
SW		.6	1.3	.6								2.6	9.5
WSW			1.9									1.9	8.7
W		1.3	1.9	1.3								4.5	8.7
WNW	.6	.6	.6	.6	1.3							3.9	11.3
NW	.6	2.6	3.2	1.3								7.7	7.5
NNW		1.3	.6	1.3	1.3							4.5	11.3
VARBL													
CALM												.6	
	6.5	27.1	41.9	20.6	3.2							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	.6	1.3	.6								3.9	6.0
NNE	2.6	.6	.6									3.9	5.5
NE			.6									.6	8.0
ENE		1.3	1.3	.6								3.2	6.6
E		1.3	3.2									4.5	7.4
ESE	2.6	1.9		.6								5.2	5.0
SE	1.3	7.7	1.3									10.3	5.3
SSE	1.3	12.3	9.0	.6								23.2	6.5
S	3.2	3.2	4.5	1.3								12.3	6.3
SSW	.6		1.3	1.3								3.2	8.2
SW	.6	1.3	1.9									3.9	6.0
WSW		1.9	.6									2.6	5.3
W	.6		.6									1.3	6.5
WNW	.6	1.3	1.3									3.2	6.2
NW	2.6	.6		1.3								4.5	5.9
NNW	2.6	1.3	.6									4.5	4.0
VARBL													
CALM												9.7	
	20.0	35.5	28.4	6.5								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE	.6	.6										1.3	3.5
NE		1.3	.6									1.9	6.7
ENE	.6	.6	.6									1.9	4.7
E	.6	2.6	2.6									5.8	6.3
ESE	.6	.6	.6									1.9	5.3
SE	1.9	1.9	1.9									5.8	5.8
SSE	3.2	3.9	2.6	1.3								11.0	6.2
S	9.0	7.1	5.2	1.3								22.6	5.1
SSW	5.2	2.6	1.3	.6								9.7	4.2
SW	1.3	3.2	2.6									7.1	6.2
WSW	1.9	1.3										3.2	4.0
W	1.9	.6	3.2									5.8	6.0
WNW	1.3	1.3	.6									3.2	5.0
NW	1.3	.6		.6								2.6	5.3
NNW	.6	1.9	3.2									5.8	6.8
VARBL													
CALM												9.7	
	30.3	31.0	25.2	3.9								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.4	1.2	.3								5.0	5.6
NNE	1.0	1.9	1.6									4.6	5.3
NE	.6	1.5	.6									2.7	5.1
ENE	.4	1.0	.6	.3								2.3	6.0
E	.6	1.8	1.5	.2								4.1	6.0
ESE	.9	2.3	1.5	.4								5.1	6.2
SE	.9	4.3	3.0	.9								9.0	6.8
SSE	1.7	3.2	4.6	2.0								11.5	7.4
S	2.7	2.9	3.1	1.1	.1							9.8	6.4
SSW	1.2	1.4	2.8	1.2	.1							6.7	7.7
SW	.6	1.3	2.4	.7								5.1	7.4
WSW	.7	1.1	1.4	.5								3.7	6.8
W	1.6	2.0	1.8	.7								6.1	6.3
WNW	1.0	2.2	1.2	.6	.2							5.2	6.5
NW	1.4	1.9	1.5	1.8	.2							6.8	7.9
NNW	.6	1.9	1.7	.6	.2							5.1	7.2
VARBL													
CALM												7.2	
	17.2	33.1	30.5	11.4	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7										1.3	3.0
NNE		1.3										1.3	6.0
NE		3.3	1.3	.7								5.3	7.1
ENE		1.3	.7									2.0	5.3
E	1.3	.7	.7									2.7	4.3
ESE	.7	2.0	.7	.7								4.0	6.2
SE		.7										.7	6.0
SSE	2.0	4.0	.7									6.7	4.3
S	4.7	6.0	4.0	.7								15.3	5.0
SSW	1.3	4.7	4.7	2.7								13.3	7.6
SW	1.3	2.7	6.7									10.7	6.8
WSW		2.0	1.3									3.3	6.8
W	4.0	2.7	.7									7.3	3.9
WNW	5.3	1.3	1.3									8.0	3.5
NW	2.0	.7			1.3							4.0	7.8
NNW	1.3	1.3	1.3									4.0	5.0
VARBL													
CALM												10.0	
	24.7	35.3	24.0	4.7	1.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	.7									2.7	6.0
NNE		2.0	.7									2.7	5.8
NE		2.0	1.3	.7								4.0	7.0
ENE		2.0	1.3									3.3	5.8
E	1.3	.7	.7									2.7	4.3
ESE	.7		.7	.7								2.0	8.7
SE													
SSE	1.3	.7										2.0	3.3
S	4.0	4.0	1.3	1.3								10.7	5.3
SSW	2.7	3.3	4.7	1.3								12.0	6.1
SW		4.7	4.0	1.3								10.0	7.0
WSW		2.0	1.3	.7								4.0	6.5
W	4.0	6.0	.7	2.0								12.7	5.2
WNW	3.3	5.3	.7	.7								10.0	4.8
NW	.7	2.0										2.7	3.8
NNW	1.3	1.3	.7	.7								4.0	5.8
VARBL													
CALM												14.7	
	20.0	37.3	18.7	9.3								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7		1.3									2.0	6.0
NNE	2.0	.7	2.7	.7								6.0	6.2
NE	2.0	.7	1.3									4.0	4.8
ENE		3.3	1.3									4.7	6.3
E	1.3											1.3	2.5
ESE		2.7	1.3	.7								4.7	6.9
SE		1.3	.7	.7								2.7	6.8
SSE	.7	.7	2.7									4.0	6.8
S	1.3	4.0	.7	.7								6.7	5.4
SSW		2.7	5.3	.7								8.7	7.8
SW	1.3	1.3	5.3	3.3								11.3	8.4
WSW		.7	4.7									5.3	8.3
W	2.0	4.0	3.3									9.3	5.8
WNW	1.3	6.0	1.3		.7							9.3	6.0
NW	2.7	2.0		.7								5.3	4.8
NNW	2.7	.7	2.7	.7								6.7	6.3
VARBL													
CALM												8.0	
	18.0	30.7	34.7	8.0	.7							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	2.0	1.3								6.7	7.2
NNE	2.0	5.3	1.3	1.3								10.0	5.8
NE	1.3	2.7	.7									4.7	4.9
ENE	.7	1.3	.7									2.7	5.5
E	1.3	5.3	.7									7.3	4.7
ESE		2.0	2.0	.7								4.7	7.9
SE	.7	2.0	4.7									7.3	7.2
SSE	.7	4.7		.7								6.0	5.3
S	.7	2.0	3.3	.7								6.7	7.6
SSW			6.0	.7								6.7	9.0
SW		.7	2.7	.7								4.0	8.7
WSW		.7	6.0	2.0								8.7	9.6
W	2.0	1.3	3.3									6.7	5.8
WNW	.7	1.3	2.0									4.0	6.7
NW	.7	1.3	2.7	2.0								6.7	8.8
NNW	.7	2.7	1.3									4.7	5.3
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	2.7	
	12.0	36.0	39.3	10.0								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	3.3	.7								6.0	7.6
NNE	.7	3.3	.7									4.7	4.4
NE	1.3	2.7	2.7	.7								7.3	6.5
ENE	.7		.7	.7								2.0	7.0
E	1.3	2.0		.7								4.0	5.2
ESE	1.3	4.0	2.0	.7								8.0	6.2
SE		8.0	6.7	6.7								21.3	8.4
SSE	.7	3.3	6.0	.7								10.7	7.6
S	.7	.7	4.0	.7								6.0	7.4
SSW		.7	2.7	1.3								4.7	8.9
SW		.7	2.0	1.3								4.0	9.8
WSW		1.3	2.0	2.7								6.0	10.0
W	.7	1.3	.7	.7								3.3	7.2
WNW		2.0	.7	2.0								4.7	9.3
NW	.7	.7	2.7	.7								4.7	8.1
NNW	1.3	1.3										2.7	3.8
VARBL													
CALM												.0	
	10.0	33.3	36.7	20.0								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	4.0	.7									6.0	4.4
NNE	.7	.7	1.3	.7								3.3	6.8
NE		2.7	2.0									4.7	6.1
ENE		1.3	1.3	.7								3.3	8.0
E	.7	3.3	.7	.7								5.3	5.9
ESE	.7	3.3		.7								4.7	5.4
SE		4.7	4.7	4.0								13.3	8.5
SSE		7.3	12.0	5.3								24.7	8.4
S	.7	.7	4.0	.7								6.0	7.9
SSW		.7	2.7	2.0								5.3	9.8
SW			2.7	2.7								5.3	10.9
WSW		1.3	1.3	.7								3.3	8.2
W		1.3	1.3									2.7	7.3
WNW		2.0	.7	1.3								4.0	7.8
NW	.7	.7	1.3	1.3								4.0	9.0
NNW	.7	1.3	1.3	.7								4.0	6.8
VARBL													
CALM												.0	
	5.3	35.3	38.0	21.3								100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.3	1.3										4.7	3.0
NNE		2.0	.7									2.7	6.3
NE		2.0										2.0	5.0
ENE	.7	1.3	1.3									3.3	5.2
E	.7	1.3	1.3	.7								4.0	6.5
ESE	1.3		.7	.7								2.7	7.0
SE	2.7	.7	1.3									4.7	4.6
SSE	2.7	10.0	7.3	.7								20.7	6.0
S	3.3	11.3	10.0									24.7	6.2
SSW	2.0	6.7	1.3									10.0	5.1
SW			2.7	1.3								4.0	9.7
WSW			.7	.7								1.3	10.0
W	1.3	1.3	.7									3.3	3.8
WNW	1.3			1.3								2.7	7.5
NW	.7		.7	.7								2.0	7.3
NNW	2.0	1.3	.7									4.0	4.0
VARBL													
CALM												3.3	
	22.0	39.3	29.3	6.0								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3											1.3	2.0
NNE	.7	1.3	1.3									3.3	6.0
NE		2.0										2.0	5.3
ENE	1.3	.7	.7	.7								3.3	5.8
E	1.3	1.3	2.7	.7								6.0	6.4
ESE			.7	.7								1.3	9.5
SE	1.3	1.3	.7									3.3	4.8
SSE	2.7	6.0	3.3									12.0	5.2
S	6.7	8.7	6.7									22.0	5.2
SSW	4.0	3.3	4.7	1.3								13.3	6.3
SW	3.3	2.0	4.0	.7								10.0	6.1
WSW	.7	.7	.7									2.0	6.3
W	1.3	4.7										6.0	4.8
WNW	.7	2.7		.7								4.0	5.8
NW	1.3	1.3										2.7	3.8
NNW		.7	.7									1.3	7.0
VARBL													
CALM												6.0	
	26.7	36.7	26.0	4.7								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.4	1.0	.2								3.8	5.5
NNE	.7	2.1	1.1	.3								4.2	5.8
NE	.6	2.2	1.2	.2								4.2	6.0
ENE	.4	1.4	1.0	.2								3.1	6.1
E	1.2	1.8	.8	.3								4.2	5.3
ESE	.6	1.7	1.0	.7								4.0	6.8
SE	.6	2.3	2.3	1.4								6.7	7.6
SSE	1.3	4.6	4.0	.9								10.8	6.6
S	2.7	4.7	4.2	.6								12.2	5.9
SSW	1.2	2.7	4.0	1.2								9.2	7.2
SW	.7	1.5	3.7	1.4								7.4	7.9
WSW	.1	1.1	2.2	.8								4.2	8.5
W	1.9	2.8	1.3	.3								6.4	5.3
WNW	1.6	2.6	.8	.7	.1							5.8	5.9
NW	1.2	1.1	.9	.7	.2							4.0	7.0
NNW	1.2	1.3	1.1	.2								3.9	5.5
VARBL													
CALM												5.6	
	17.3	35.5	30.8	10.5	.2							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE		1.3	.6	.6								2.6	7.5
NE	.6	1.3										1.9	4.0
ENE	1.3	.6										1.9	2.3
E	.6											.6	2.0
ESE	.6	1.3		.6								2.6	6.8
SE	.6	.6										1.3	3.5
SSE	.6	1.3	1.3									3.2	5.8
S	7.1	5.2	.6	1.9								14.8	5.2
SSW	3.2	3.9	5.8	.6								13.5	5.9
SW	3.2	7.1	7.7									18.1	5.9
WSW	1.9	.6	1.3	.6								4.5	5.3
W	1.9	4.5		.6								7.1	5.4
WNW	1.9	1.9	1.3	.6								5.8	6.1
NW	2.6	1.9										4.5	3.4
NNW	.6	3.2	.6									4.5	4.4
VARBL													
CALM												12.3	
	27.7	34.8	19.4	5.8								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9										2.6	3.8
NNE	1.3	1.9		1.3	.6							5.2	8.4
NE	.6	.6	.6									1.9	5.7
ENE	.6											.6	3.0
E	1.3	.6										1.9	4.0
ESE	.6		.6									1.3	5.5
SE	.6											.6	2.0
SSE	.6	1.9										2.6	4.0
S	1.3	2.6	.6									4.5	4.7
SSW	2.6	1.3	3.2	2.6								9.7	7.5
SW	1.3	7.1	6.5									14.8	6.7
WSW	2.6	3.9	.6	1.3								8.4	5.5
W	8.4	6.5	1.3									16.1	3.8
WNW	4.5	1.9	1.9									8.4	4.3
NW	2.6	2.6	.6									5.8	4.2
NNW	1.3	1.9	.6									3.9	4.7
VARBL													
CALM												11.6	
	31.0	34.8	16.8	5.2	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.6	1.3									1.9	7.0
NNE		.6	2.6	.6								3.9	8.0
NE	2.6	3.9	1.9									8.4	4.7
ENE	1.9	.6										2.6	2.8
E	1.3		1.3									2.6	5.8
ESE													
SE	.6	.6										1.3	3.0
SSE	1.9	.6										2.6	3.5
S	2.6	1.3	.6									4.5	4.1
SSW	.6	1.3	1.3	1.9								5.2	8.8
SW	1.9	5.2	7.1	1.9								16.1	7.2
WSW	.6	3.9	1.9	.6								7.1	5.6
W	3.9	7.7	1.9									13.5	4.5
WNW	4.5	4.5	.6									9.7	4.0
NW	1.9	3.9	1.3	1.9								9.0	6.0
NNW	3.2	3.9	.6									7.7	3.8
VARBL													
CALM												3.9	
	27.7	38.7	22.6	7.1								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 153

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	5.2	3.2	.6								10.3	6.3
NNE	.6	4.5	3.2	.6								9.0	6.1
NE		3.2										3.2	4.2
ENE	1.3	.6	.6									2.6	4.3
E	.6	.6	1.3									2.6	5.5
ESE	.6	5.8	.6	.6								7.7	5.2
SE	1.3	1.9	1.3									4.5	5.1
SSE	1.3	1.9	.6									3.9	4.8
S	.6	1.9	1.3									3.9	5.5
SSW	1.3	1.3	1.9	1.3								5.8	7.7
SW		.6	2.6	3.2								6.5	9.6
WSW	.6	.6	2.6	1.3								5.2	8.4
W	2.6	3.2	.6									6.5	4.3
WNW	3.9	2.6	1.9	.6	.6							9.7	5.7
NW	2.6	3.2	2.6	1.3								9.7	6.1
NNW	1.3	1.3	1.9									4.5	5.4
VARBL													
CALM												4.5	
	20.0	38.7	26.5	9.7	.6							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	3.9	2.6	.6								9.7	5.4
NNE	1.3	5.8	2.6									9.7	5.6
NE	.6	2.6	.6									3.9	4.8
ENE	1.9											1.9	3.0
E	.6	.6	.6									1.9	4.7
ESE	2.6	7.7	3.9	.6								14.8	5.8
SE		5.8	6.5	.6								12.9	7.0
SSE		5.2	2.6									7.7	6.1
S		.6	1.9	3.2								5.8	9.9
SSW	.6	1.3	1.9	2.6								6.5	8.7
SW			1.9									1.9	7.7
WSW		.6	1.9	1.3								3.9	8.3
W	.6	2.6	3.2	.6								7.1	7.1
WNW			.6	.6								1.3	9.5
NW		3.9	1.9	.6								6.5	6.7
NNW		.6		.6								1.3	7.5
VARBL													
CALM												3.2	
	11.0	41.3	32.9	11.6								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	1.9									4.5	6.4
NNE	2.6	4.5	3.2									10.3	5.2
NE		1.3	.6									1.9	6.0
ENE	.6	.6										1.3	4.5
E		2.6	1.3									3.9	5.8
ESE	.6	3.9	2.6	.6								7.7	6.8
SE	1.9	5.2	7.1	2.6	.6							17.4	7.6
SSE	1.9	3.2	10.3	1.3								16.8	7.5
S	1.3	1.3	4.5									7.1	6.6
SSW		2.6	2.6		.6							5.8	8.3
SW		1.3	1.3	.6								3.2	8.6
WSW		1.3	1.3	.6								3.2	8.0
W		1.3	3.2	.6								5.2	7.9
WNW		1.3	1.9	1.3								4.5	9.1
NW			.6									.6	10.0
NNW	.6	1.3	2.6	.6								5.2	7.5
VARBL													
CALM												1.3	
	10.3	33.5	45.2	8.4	1.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.9	1.9		.6	.6							7.1	5.0
NNE	.6	.6	1.3									2.6	5.8
NE					.6							.6	20.0
ENE	.6											.6	2.0
E	.6	3.2										3.9	4.3
ESE	.6		.6									1.3	5.5
SE	1.9	2.6	.6									5.2	5.0
SSE	3.2	9.0	2.6	1.9								16.8	5.8
S	6.5	11.0	7.1									24.5	4.9
SSW	1.3	3.2	2.6									7.1	5.3
SW		3.2	.6									3.9	6.2
WSW		1.3	1.3									2.6	6.5
W	.6	.6	1.3	.6								3.2	6.6
WNW		1.3	1.3					.6				3.2	12.0
NW	1.3	.6	1.3									3.2	5.4
NNW	1.9	.6		.6								3.2	5.0
VARBL													
CALM												11.0	
	23.2	39.4	20.6	3.9	1.3			.6				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9			.6								2.6	5.0
NNE	.6											.6	3.0
NE	1.3	.6	.6									2.6	4.8
ENE	.6	1.3										1.9	3.7
E			1.3									1.3	9.5
ESE		1.3		.6								1.9	7.0
SE	1.3		1.3	.6								3.2	7.2
SSE		3.2	1.9	.6								5.8	6.7
S	7.1	10.3	1.9	1.3								20.6	4.8
SSW	2.6	8.4	4.5	.6								16.1	5.5
SW	2.6	7.7	.6	1.9								12.9	5.6
WSW	1.3	.6	.6									2.6	4.3
W	.6	1.9	.6									3.2	5.2
WNW		1.9	1.3									3.2	6.2
NW	2.6		.6									3.2	3.8
NNW		2.0	.6	.6								3.9	6.2
VARBL													
CALM												14.2	
	22.6	40.0	16.1	7.1								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	1.9	1.1	.3	.1							4.9	5.6
NNE	.9	2.4	1.7	.4	.1							5.5	6.2
NE	.7	1.7	.6		.1							3.1	5.2
ENE	1.1	.5	.1									1.7	3.3
E	.6	1.0	.7									2.3	5.3
ESE	.7	2.5	1.0	.4								4.7	6.0
SE	1.0	2.1	2.1	.5	.1							5.8	6.6
SSE	1.2	3.3	2.4	.5								7.4	6.2
S	3.3	4.3	2.3	.8								10.7	5.4
SSW	1.5	2.9	3.0	1.2	.1							8.7	6.8
SW	1.1	4.0	3.5	1.0								9.7	6.7
WSW	.9	1.6	1.5	.7								4.7	6.4
W	2.3	3.5	1.5	.3								7.7	5.1
WNW	1.9	1.9	1.4	.4	.1			.1				5.7	6.1
NW	1.7	2.0	1.1	.5								5.3	5.5
NNW	1.1	1.9	.9	.3								4.3	5.3
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	7.7	
	21.7	37.7	25.0	7.3	.5			.1				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE	.6	1.9	.6									3.2	4.6
NE		.6		.6								1.3	7.5
ENE	1.9	1.3	.6									3.9	4.3
E	3.2	.6										3.9	3.0
ESE	.6	.6	.6									1.9	5.3
SE	.6	.6										1.3	3.5
SSE	1.3	.6										1.9	3.7
S	5.2	6.5		1.3								12.9	4.5
SSW	2.6	7.1	2.6	.6								12.9	5.6
SW	1.3	5.8	1.9	1.9								11.0	6.4
WSW	3.2	1.3	.6									5.2	3.9
W	6.5	2.6	2.6									11.6	3.9
WNW	3.9	.6										4.5	2.7
NW	1.3		1.3									2.6	5.5
NNW	3.9	.6	1.9									6.5	4.2
VARBL													
CALM												14.8	
	36.8	31.0	12.9	4.5								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) — PATUXENT RIVER, MARYLAND (STATION NAME) — 73-77 (YEARS) — AUG (MONTH)

ALL WEATHER (CLASS) — 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			.6	1.3								1.9	10.3
NNE	1.3	1.3	.6									3.2	5.0
NE	.6	1.3	1.3									3.2	6.2
ENE	.6	1.3		.6								2.6	5.8
E	1.3	1.9										3.2	4.0
ESE	.6			.6								1.3	7.5
SE	.6											.6	2.0
SSE													
S	4.5	1.3	.6									6.5	3.4
SSW	3.2	2.6	2.6	1.3								9.7	6.0
SW	3.2	5.2	7.1	.6								16.1	6.2
WSW	1.9	1.3	.6									3.9	4.2
W	5.8	6.5										12.3	3.6
WNW	1.3	3.9										5.2	4.3
NW	2.6	.6	1.3									4.5	4.4
NNW	5.2	2.6										7.7	3.3
VARBL													
CALM												18.1	
	32.9	29.7	14.8	4.5								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 YEARS | AUG MONTH

ALL WEATHER CLASS | 07 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	.6									2.6	5.0
NNE	1.9	1.9	.6									4.5	4.1
NE	.6	1.9	2.6	.6								5.8	6.2
ENE	.6	2.6	1.9									5.2	5.8
E	.6	1.9	.6									3.2	5.2
ESE	.6											.6	3.0
SE													
SSE	.6	.6	.6									1.9	4.7
S	3.2	1.9	.6	.6								6.5	4.4
SSW	3.2	2.6	3.9	1.3								11.0	6.2
SW	.6	7.1	1.9	.6								10.3	5.9
WSW	1.9	3.2	2.6									7.7	5.2
W	5.2	7.1	.6									12.9	4.0
WNW	5.2	1.9										7.1	2.9
NW	1.3	3.9										5.2	3.9
NNW	3.2	2.6	1.3									7.1	4.5
VARBL													
CALM												8.4	
	29.7	40.6	18.1	3.2								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	7.7	2.6									13.5	4.9
NNE	3.2	2.6		.6								6.5	4.1
NE	1.3	1.9	1.3									4.5	4.9
ENE	.6	.6	1.3	.6								3.2	6.8
E		3.2		.6								3.9	5.8
ESE	1.9	1.3	2.6									5.8	5.3
SE	.6	1.9	.6	.6								3.9	6.2
SSE	1.3	1.3	.6									3.2	4.4
S	.6	1.3	1.3									3.2	6.0
SSW	.6	3.9	1.3	1.9								7.7	7.3
SW	1.3	4.5	3.9	3.2								12.9	7.7
WSW	1.3	1.3	.6	2.6								5.8	8.1
W	1.9	1.9	1.9									5.8	5.3
WNW	1.9	4.5										6.5	3.8
NW	2.6	3.2	.6									6.5	4.2
NNW	1.3	2.6										3.9	3.8
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	3.2	
	23.9	43.9	18.7	10.3								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	4.5	.6									7.7	4.4
NNE	1.3	3.2	1.9									6.5	5.5
NE	2.6	3.2	1.3									7.1	4.7
ENE	2.6	2.6	.6									5.8	4.4
E	.6	3.2	.6	.6								5.2	5.9
ESE	1.9	1.9	.6	1.3								5.8	5.9
SE		8.4	5.8	2.6								16.8	7.9
SSE		1.3	2.6	1.3								5.2	9.4
S		1.3	1.9									3.2	6.8
SSW		1.9	3.2	1.3								6.5	8.4
SW			2.6	1.3								3.9	10.2
WSW	.6	1.9	.6	1.9								5.2	8.3
W	3.2	2.6	1.3									7.1	4.7
WNW	1.3	3.9	2.6									7.7	5.8
NW		1.3										1.3	5.0
NNW	1.9	1.3	1.3									4.5	4.6
VARBL													
CALM												.6	
	18.7	42.0	27.7	10.3								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	5.2	1.3									9.0	4.6
NNE	1.3	5.8	1.3									8.4	4.8
NE	1.3	1.3										2.6	3.3
ENE	.6	1.3	.6									2.6	5.3
E	3.9	3.2	.6	.6								8.4	4.4
ESE	1.3	3.2	1.3	1.3								7.1	6.2
SE		3.9	5.8	5.8								15.5	9.5
SSE	.6	5.8	6.5	1.9								14.8	7.7
S	1.3	1.9	1.3	.6								5.2	6.5
SSW		.6	1.9									2.6	6.8
SW		1.3	3.2									4.5	6.6
WSW		3.2	.6	.6								4.5	7.0
W	.6	1.3	1.3									3.2	5.8
WNW	.6	.6	.6	1.3								3.2	8.2
NW	.6	2.0	.6									3.9	5.3
NNW	3.2	1.3										4.5	3.1
VARBL													
CALM												.0	
	18.1	42.6	27.1	12.3								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2											3.2	2.2
NNE	3.2											3.2	1.8
NE		.6	.6									1.3	8.0
ENE	1.3		.6									1.9	5.3
E	.6	1.3	1.9	.6								4.5	7.0
ESE	2.6	1.9										4.5	3.6
SE	.6	2.6	.6	.6								4.5	6.7
SSE	1.3	6.5	3.2	.6								11.6	5.8
S	9.7	14.2	3.9									27.7	4.3
SSW	1.9	1.3										3.2	3.4
SW	1.3	1.3	1.3									3.9	5.2
WSW	1.3	1.9	.6									3.9	4.8
W	1.3	.6	1.9									3.9	5.8
WNW	1.3											1.3	2.0
NW	1.3	.6	.6									2.6	5.0
NNW	3.2	.6	.6									4.5	3.4
VARBL													
CALM												14.2	
	34.2	33.5	16.1	1.9								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
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ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3											1.3	2.0
NNE	.6	.6										1.3	4.0
NE	.6	1.3	1.3									3.2	6.0
ENE	.6	.6	.6									1.9	5.7
E	1.3	2.6	1.3									5.2	5.1
ESE		2.6										2.6	5.0
SE	.6	1.9	1.9									4.5	5.9
SSE	1.3	3.9										5.2	4.4
S	9.7	7.7	3.2									20.6	4.3
SSW	4.5	5.8	1.9									12.3	4.6
SW	3.9	5.8	1.3									11.0	4.5
WSW	2.6	.6	.6	.6								4.5	5.1
W	1.9	.6	2.6									5.2	5.3
WNW		1.3										1.3	5.0
NW	1.9		.6									2.6	3.5
NNW	3.9	.6										4.5	2.7
VARBL													
CALM												12.9	
	34.8	36.1	15.5	.6								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	2.3	.7	.2								5.0	4.7
NNE	1.7	2.2	.6	.1								4.6	4.4
NE	.9	1.5	1.0	.2								3.6	5.5
ENE	1.1	1.3	.8	.2								3.4	5.3
E	1.5	2.3	.6	.3								4.7	5.1
ESE	1.2	1.5	.6	.4								3.7	5.4
SE	.4	2.4	1.9	1.2								5.9	7.8
SSE	.8	2.5	1.7	.5								5.5	6.4
S	4.3	4.5	1.6	.3								10.7	4.5
SSW	2.0	3.2	2.2	.8								8.2	6.0
SW	1.5	3.9	2.9	1.0								9.2	6.4
WSW	1.6	1.9	.9	.7								5.1	5.9
W	3.3	2.9	1.5									7.7	4.4
WNW	1.9	2.1	.4	.2								4.6	4.4
NW	1.5	1.5	.6									3.6	4.5
NNW	3.2	1.5	.6									5.4	3.7
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	9.0	
	28.6	37.5	18.9	6.0								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.7	.7									1.3	7.5
NNE		.7	2.0	1.3								4.0	10.3
NE	.7	5.3	1.3									7.3	5.5
ENE	1.3	.7	1.3									3.3	5.0
E	2.0	.7	1.3	.7								4.7	5.6
ESE	1.3	.7	.7									2.7	4.8
SE	.7	1.3		.7								2.7	6.0
SSE	.7	3.3	.7									4.7	4.9
S	5.3	1.3			.7							7.3	4.2
SSW	3.3	5.3	2.7	.7								12.0	5.5
SW	2.0	2.7	2.7									7.3	5.3
WSW	2.0	1.3	1.3									4.7	4.9
W	5.3	2.0	.7									8.0	3.3
WNW	2.7	.7	1.3	.7								5.3	5.5
NW	1.3	3.3	2.0									6.7	5.3
NNW	2.7	1.3	1.3	.7								6.0	5.1
VARBL													
CALM												12.0	
	31.3	31.3	20.0	4.7	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.7		.7								1.3	8.0
NNE	.7	.7	2.0	.7								4.0	6.8
NE	1.3	4.7	2.0									8.0	5.6
ENE	.7	2.7	.7									4.0	5.5
E	2.0	.7	2.7	.7								6.0	6.2
ESE	.7	.7	1.3									2.7	5.8
SE	1.3	2.0	.7	.7								4.7	6.0
SSE		1.3										1.3	5.0
S	4.0	1.3										5.3	3.1
SSW	.7	2.7	1.3	1.3								6.0	8.1
SW	2.0	4.0	2.7									8.7	5.7
WSW	1.3	2.0										3.3	3.8
W	6.0	2.7	.7									9.3	3.4
WNW	2.0	2.0										4.0	3.3
NW	4.0	6.0	2.0	1.3								13.3	5.4
NNW	2.0	2.0	2.0									6.0	5.3
VARBL													
CALM												12.0	
	28.7	36.0	18.0	5.3								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.3									4.0	5.2
NNE		4.0	.7									4.7	6.0
NE	.7	5.3	.7	.7								7.3	5.9
ENE	1.3	2.0	2.0									5.3	5.4
E	.7	1.3	2.7									4.7	6.9
ESE													
SE		.7	2.0	.7								3.3	8.2
SSE	1.3	1.3		.7								3.3	5.4
S	1.3	1.3	1.3	.7								4.7	6.7
SSW	3.3	2.7	1.3									7.3	4.5
SW	1.3	2.0	2.0	1.3								6.7	7.3
WSW	2.0	2.0	2.7									6.7	5.4
W	3.3	4.0	.7									8.0	3.6
WNW	5.3	2.0	.7	.7								8.7	4.0
NW	2.7	1.3	4.0	.7								8.7	5.9
NNW	.7	2.7	2.7	.7								6.7	6.2
VARBL													
CALM												10.0	
	25.3	34.0	24.7	6.0								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	2.7	4.0	.7								10.0	6.2
NNE		4.7	2.7	.7								8.0	6.6
NE		6.7	.7									7.3	5.2
ENE		.7	3.3	.7								4.7	8.0
E	2.0	5.3	2.7									10.0	5.5
ESE	2.0	1.3										3.3	3.4
SE	.7	1.3	1.3	2.0								5.3	9.0
SSE		2.0	1.3									3.3	6.4
S	.7	.7	2.0	.7								4.0	7.2
SSW	.7	2.0	2.7	2.7								8.0	8.3
SW	.7	2.7	2.0	1.3								6.7	7.2
WSW	.7	2.7	2.0	.7								6.0	6.9
W	1.3	.7	1.3									3.3	5.4
WNW	.7	4.0	2.0	.7								7.3	6.0
NW		2.7	1.3	1.3								5.3	7.4
NNW	1.3	1.3	2.7									5.3	6.1
VARBL													
CALM												2.0	
	13.3	41.3	32.0	11.3								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	4.0	5.3									10.0	6.4
NNE	.7	5.3	2.0									8.0	5.5
NE	2.7	2.0										4.7	4.0
ENE		2.0	2.7									4.7	6.3
E	.7	3.3	.7	.7	.7							6.0	7.7
ESE		4.0	1.3									5.3	5.6
SE	1.3	4.7	3.3	2.7								12.0	7.3
SSE	1.3	4.0	2.7	1.3								9.3	6.9
S		2.0	2.7									4.7	7.4
SSW	1.3	2.0	2.7	3.3								9.3	8.4
SW		.7		.7								1.3	10.0
WSW		2.0	1.3	.7								4.0	7.3
W	.7	2.0	2.0									4.7	6.0
WNW	2.0	2.0	2.7	.7								7.3	6.2
NW		1.3	2.7									4.0	6.8
NNW		3.3	.7	.7								4.7	6.1
VARBL													
CALM												.0	
	11.3	44.7	32.7	10.7	.7							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.3	.7	2.7									6.7	5.0
NNE	2.7	4.7	.7	.7								8.7	4.8
NE	1.3	1.3	.7									3.3	4.2
ENE	1.3	2.0	.7	.7		.7						5.3	7.9
E	1.3	2.7	2.0	.7								6.7	5.9
ESE		2.7	1.3									4.0	5.8
SE	2.0	4.0	6.0	2.7								14.7	7.5
SSE	.7	4.7	8.0	.7								14.0	7.3
S		3.3	2.0	1.3								6.7	7.5
SSW	.7	1.3	1.3	.7								4.0	7.0
SW	.7	2.0										2.7	4.0
WSW		2.7	1.3									4.0	6.3
W	.7	1.3	.7									2.7	4.5
WNW	1.3	2.0	4.0	.7								8.0	6.5
NW	.7	.7	.7	.7								2.7	7.3
NNW	.7	1.3	.7									2.7	5.0
VARBL													
CALM												3.3	
	17.3	37.3	32.7	8.7		.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	.7									2.0	4.7
NNE	3.3	2.0										5.3	3.1
NE	1.3	1.3	2.0	1.3								6.0	7.3
ENE	1.3	.7	2.7									4.7	6.0
E	1.3	1.3	1.3									4.0	5.0
ESE			1.3									1.3	8.0
SE		2.0										2.0	4.7
SSE	2.7	6.0	.7									9.3	4.6
S	8.0	9.3	2.0	.7								20.0	4.4
SSW	3.3	2.0	.7									6.0	3.4
SW	1.3	1.3	.7									3.3	4.8
WSW	1.3											1.3	2.5
W	.7	1.3	.7									2.7	5.5
WNW	2.0	1.3	1.3									4.7	4.6
NW	.7	1.3	1.3	1.3								4.7	7.9
NNW	1.3	3.3	.7	.7								6.0	5.4
VARBL													
CALM												16.7	
	29.3	34.0	16.0	4.0								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.0	.7									3.3	5.0
NNE	1.3	1.3	.7	.7								4.0	6.0
NE		.7	.7	1.3								2.7	9.8
ENE	.7	.7	1.3									2.7	5.8
E	.7	4.0	.7									5.3	5.6
ESE	1.3	1.3	3.3									6.0	6.2
SE		2.0	.7									2.7	5.3
SSE	2.0	.7	1.3									4.0	4.8
S	5.3	5.3	2.7	.7								14.0	5.0
SSW	1.3	5.3	2.0	.7								9.3	5.8
SW	2.0	4.0	1.3									7.3	4.4
WSW	.7	2.0	2.0	.7								5.3	6.5
W	1.3	2.0	.7	.7								4.7	5.4
WNW	.7	.7	1.3									2.7	6.3
NW	2.0	1.3	.7									4.0	4.3
NNW	4.0	1.3	1.3	.7	.7							8.0	5.8
VARBL													
CALM												14.0	
	24.0	34.7	21.3	5.3	.7							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	1.9	.2								4.8	5.9
NNE	1.1	2.9	1.3	.5								5.8	5.9
NE	1.0	3.4	1.0	.4								5.8	5.8
ENE	.8	1.4	1.8	.2		.1						4.3	6.3
E	1.3	2.4	1.7	.3	.1							5.9	6.0
ESE	.7	1.3	1.2									3.2	5.6
SE	.7	2.2	1.7	1.2								5.9	7.2
SSE	1.1	2.9	1.8	.3								6.2	6.0
S	3.1	3.1	1.6	.5	.1							8.3	5.3
SSW	1.8	2.9	1.8	1.2								7.7	6.4
SW	1.2	2.4	1.4	.4								5.5	5.8
WSW	1.0	1.8	1.3	.2								4.4	5.8
W	2.4	2.0	.9	.1								5.4	4.3
WNW	2.1	1.8	1.7	.4								6.0	5.3
NW	1.4	2.2	1.8	.7								6.2	6.1
NNW	1.6	2.1	1.5	.4	.1							5.7	5.7
VARBL													
CALM												8.7	
	22.6	36.7	24.7	7.0	.2	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3		3.2									4.5	6.6
NNE	2.6	3.2	1.3	.6								7.7	5.2
NE	.6	1.9	.6									3.2	4.4
ENE		1.9	1.3									3.2	6.2
E			1.9									1.9	7.7
ESE	.6	.6	1.3	.6								3.2	7.4
SE		1.9	.6	.6								3.2	7.2
SSE	.6	.6	.6									1.9	5.7
S	1.9	.6	1.9									4.5	5.3
SSW	3.9	3.2	.6	.6								8.4	4.2
SW	3.2	.6	1.3	1.3								6.5	5.5
WSW		1.9	.6	.6								3.2	7.4
W	1.9	3.2	3.9	.6	.6							10.3	6.9
WNW	.6	3.9	1.3	1.3								7.1	6.5
NW	3.2	3.9	.6									7.7	4.4
NNW	2.6	1.9	3.2	1.3								9.0	6.3
VARBL													
CALM												14.2	
	23.2	29.7	24.5	7.7	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.2	1.9	1.3								6.5	7.7
NNE		3.2	3.2	1.3								7.7	7.6
NE	.6	1.9	1.3									3.9	5.5
ENE		1.3	1.3									2.6	5.8
E	.6	3.2										3.9	4.7
ESE		.6		.6								1.3	10.0
SE			.0									.6	8.0
SSE	2.6		.6	.6								3.9	4.5
S	1.3	.6	1.3	1.3								4.5	7.3
SSW	1.3	2.6	.6									4.5	4.6
SW	.6	3.2	1.3	.6								5.8	6.0
WSW	1.9		1.3									3.2	5.0
W	2.6	5.2	1.3	.6	.6							10.3	6.4
WNW	2.6	1.3	2.6	1.3								7.7	6.7
NW	1.3	3.9	1.3	.6								7.1	5.6
NNW	2.6	3.9	2.6									9.0	5.1
VARBL													
CALM												17.4	
	16.1	34.2	21.3	8.4	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	1.9	1.3								6.5	7.6
NNE		1.3	2.6	.6								4.5	8.1
NE	1.3	3.2	1.9	1.3								7.7	6.7
ENE	.6	.6	.6									1.9	5.0
E	1.3	1.9	1.3									4.5	5.3
ESE	.6	.6	.6									1.9	5.7
SE			.6									.6	7.0
SSE	1.3	1.9		.6								3.9	5.5
S	.6		1.9									2.6	7.0
SSW	2.6	2.6	1.3									6.5	4.5
SW	1.3	1.9	1.3	.6								5.2	6.0
WSW	1.3	1.9	1.3									4.5	4.3
W	3.2	3.2	1.9	1.3								9.7	6.3
WNW	1.3	4.5	1.3	1.3								8.4	5.8
NW	2.6	4.5	1.9									9.0	4.7
NNW	1.9	1.9	5.2	.6								9.7	6.8
VARBL													
CALM												12.9	
	20.6	32.9	25.8	7.7								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	2.6	4.5	.6								10.3	6.7
NNE		5.2	3.2	1.3								9.7	6.9
NE	2.6	3.9	1.9	1.3								9.7	6.1
ENE	.6	1.9	.6									3.2	5.6
E		1.3	1.9	.6								3.9	8.2
ESE		1.3	1.3									2.6	6.8
SE	1.3	.6	.6									2.6	4.8
SSE	2.6	1.3	1.3									5.2	4.4
S	.6	.6	1.3									2.6	6.0
SSW	.6	2.6	.6	1.3								5.2	6.8
SW		1.3	2.6	1.3								5.2	8.4
WSW	.6	2.6	1.3	2.6								7.1	7.8
W	1.9	1.3	2.6		.6							6.5	6.7
WNW	1.3	1.9	1.3	3.9								8.4	9.1
NW	.6	1.9	3.2	2.6								8.4	9.0
NNW	.6	3.9	1.3	2.6								8.4	7.7
VARBL													
CALM												1.3	
	16.1	34.2	29.7	18.1	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	5.2	3.9	.6								11.6	6.2
NNE		4.5	3.2	.6								8.4	7.1
NE		1.9	2.6	1.3								5.8	7.3
ENE	.6	1.3										1.9	3.7
E	.6	2.6	1.3									4.5	5.9
ESE	1.3	3.9	2.6	.6								8.4	6.2
SE	1.9	5.2	1.3									8.4	4.8
SSE	.6	.6	1.3									2.6	6.0
S		2.6		1.9								4.5	8.4
SSW		.6	1.3	.6								2.6	7.5
SW		.6		2.6								3.2	12.0
WSW			3.2	1.9								5.2	9.3
W	.6	2.6	1.3									4.5	5.6
WNW	.6	2.6	3.2	2.6	.6							9.7	9.1
NW	.6	3.2	3.9	1.9								9.7	8.1
NNW	1.3	1.9	4.5	.6								8.4	7.2
VARBL													
CALM												.6	
	10.3	39.4	33.5	15.5	.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.9	7.1	3.9	.6								15.5	5.1
NNE	.6	.6	1.3	1.3								3.9	8.3
NE		1.9	.6									2.6	5.5
ENE	1.3			.6								1.9	5.3
E		.6	1.3									1.9	6.3
ESE	2.6	1.9	.6		.6							5.8	5.8
SE	.6	4.5	2.6	.6								8.4	6.2
SSE	3.2	2.6	3.2	.6								9.7	5.8
S	1.3	3.2	1.9									6.5	5.4
SSW		2.6	.6									3.2	5.4
SW	.6		1.9	.6								3.2	8.6
WSW		2.6	1.3	.6								4.5	7.1
W	.6	1.3	.6		1.3							3.9	9.3
WNW		2.6	2.6	1.9	.6							7.7	9.0
NW	2.6	1.3	1.9	.6								6.5	6.0
NNW	1.9	2.6	5.2	1.9								11.6	7.4
VARBL													
CALM												3.2	
	19.4	35.5	29.7	9.7	2.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	2.6	1.9	.6								8.4	5.0
NNE	1.9	.6	1.3									3.9	4.2
NE	.6	1.3	1.3									3.2	6.0
ENE	.6	.6	.6									1.9	5.3
E		1.9	1.9	.6								4.5	6.9
ESE	.6	.6		1.3								2.6	8.0
SE	1.9	.6										2.6	3.3
SSE	.6	3.9	.6									5.2	4.9
S	5.8	6.5	.6									12.9	4.1
SSW	2.6	4.5	.6	.6								8.4	4.6
SW	.6	2.6	.6									3.9	5.0
WSW		.6										.6	4.0
W	1.3	1.9	1.3	.6	.6							5.8	7.2
WNW	.6	1.3	.6	.6								3.2	6.6
NW	2.6	1.3	1.9	.6								6.5	6.3
NNW	1.9	2.6	2.6	2.6								9.7	7.3
VARBL													
CALM												16.8	
	25.2	33.5	16.1	7.7	.6							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6		1.3								2.6	7.3
NNE	.6	2.6	2.6	.6								6.5	7.2
NE	1.9	1.3	1.3	.6								5.2	5.3
ENE	.6			.6								1.3	6.5
E	.6	2.6	1.3									4.5	5.7
ESE	.6	1.9		.6								3.2	6.2
SE	1.3		.6									1.9	4.3
SSE	2.6	2.6	.6	.6								6.5	4.9
S	1.9	3.9	1.3									7.1	4.6
SSW	3.2	1.3	.6	1.3								6.5	6.0
SW	1.3	3.9	1.9	.6								7.7	5.8
WSW	.6	1.3	1.3									3.2	6.2
W	1.3	3.2	1.3		.6							6.5	6.1
WNW	1.3	1.3	.6	.6								3.9	6.8
NW	1.9	1.3	1.9	.6								5.8	6.1
NNW	1.3	5.2	3.9	1.3								11.6	6.6
VARBL													
CALM												16.1	
	21.9	32.9	19.4	9.0	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	3.0	2.7	.8								8.2	6.2
NNE	.7	2.7	2.3	.8								6.5	6.8
NE	1.0	2.2	1.5	.6								5.2	6.0
ENE	.6	1.0	.6	.2								2.3	5.5
E	.4	1.8	1.4	.2								3.7	6.2
ESE	.8	1.5	.8	.5	.1							3.6	6.6
SE	.9	1.6	.9	.2								3.5	5.5
SSE	1.8	1.7	1.0	.3								4.8	5.2
S	1.7	2.3	1.3	.4								5.6	5.5
SSW	1.8	2.5	.8	.6								5.6	5.2
SW	1.0	1.8	1.4	1.0								5.1	6.8
WSW	.6	1.4	1.3	.7								4.0	6.9
W	1.7	2.7	1.8	.4	.6							7.2	6.7
WNW	1.0	2.4	1.7	1.7	.2							7.0	7.6
NW	1.9	2.7	2.1	.9								7.6	6.4
NNW	1.8	3.0	3.5	1.4								9.7	6.8
VARBL													
CALM												10.3	
	19.4	34.0	25.0	10.5	.8							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.3	1.3	.7								6.0	6.4
NNE		2.0		.7								2.7	6.8
NE	.7	1.3	1.3									3.3	5.6
ENE		1.3	1.3									2.7	7.0
E		.7										.7	4.0
ESE	.7	2.0										2.7	4.5
SE	.7											.7	3.0
SSE		1.3	1.3									2.7	5.8
S	2.0	2.7	2.0									6.7	5.0
SSW		3.3	.7	2.0								6.0	8.1
SW	.7	1.3	4.0	3.3								9.3	8.7
WSW	1.3	1.3	3.3	1.3								7.3	7.5
W	4.0	3.3	3.3	1.3								12.0	5.6
WNW	.7	2.0	2.7	2.0								7.3	8.3
NW	1.3	2.7	2.7	.7	.7							8.0	7.3
NNW	1.3	4.0	3.3	1.3								10.0	7.1
VARBL													
CALM												12.0	
	14.0	32.7	27.3	13.3	.7							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	1.3	.7								5.3	7.0
NNE		1.3	2.7									4.0	7.2
NE	.7	2.0	2.7									5.3	6.5
ENE	.7											.7	3.0
E	1.3	.7	.7									2.7	3.8
ESE		.7	.7									1.3	6.5
SE		.7	.7									1.3	7.5
SSE		1.3										1.3	4.0
S	1.3	3.3	1.3	.7								6.7	5.8
SSW		2.7	1.3	1.3								5.3	7.8
SW	2.0	3.3	2.0	1.3								8.7	6.8
WSW	.7	2.7	1.3	.7								5.3	6.3
W	1.3	6.0	3.3	1.3								12.0	6.2
WNW	.7	2.7	2.0									5.3	5.9
NW	5.3	2.7	2.0	2.0								12.0	5.8
NNW	1.3	6.7	2.7	2.0								12.7	6.9
VARBL													
CALM												10.0	
	16.0	39.3	24.7	10.0								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	2.0									4.0	6.0
NNE		.7	2.7									3.3	8.2
NE	.7	2.0	3.3									6.0	6.4
ENE	.7	.7	.7									2.0	6.0
E	.7	.7										1.3	4.0
ESE		.7	.7									1.3	6.0
SE		.7										.7	5.0
SSE		1.3	.7									2.0	5.0
S	1.3	2.0	.7	.7								4.7	6.3
SSW	2.0	2.7	2.7	.7								8.0	6.2
SW	1.3	2.0	2.7	2.7								8.7	7.8
WSW	1.3	4.0	.7									6.0	5.0
W	2.7	5.3	2.7	.7								11.3	5.8
WNW	1.3	2.7	1.3	2.0								7.3	6.8
NW	1.3	.7	3.3	2.7								8.0	8.8
NNW	2.0	5.3	3.3	.7								11.3	5.9
VARBL													
CALM												14.0	
	16.0	32.7	27.3	10.0								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	4.7	1.3								8.0	7.9
NNE	.7	.7	3.3	.7								5.3	7.4
NE	.7	2.7	.7	.7								4.7	5.9
ENE	.7		2.0									2.7	6.8
E	.7	.7	.7									2.0	5.7
ESE			1.3									1.3	8.0
SE		2.7	1.3									4.0	6.3
SSE			1.3									1.3	7.5
S	1.3	2.0	3.3									6.7	6.7
SSW			1.3	2.7								4.0	11.8
SW		1.3	2.0	4.7								8.0	10.2
WSW	1.3	2.7	1.3	4.0								9.3	8.7
W	2.0	1.3	6.0	2.7								12.0	7.9
WNW	.7	1.3	2.0	2.0	.7							6.7	9.6
NW	.7	1.3	2.0	5.3								9.3	10.2
NNW		2.0	6.0	1.3								9.3	8.9
VARBL													
CALM												5.3	
	9.3	20.0	39.3	25.3	.7							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	4.0									5.3	7.0
NNE		1.3	2.0									3.3	6.2
NE		2.7	2.0									4.7	6.6
ENE	.7	1.3		1.3								3.3	7.4
E		1.3										1.3	4.0
ESE	.7	3.3	.7									4.7	4.9
SE	2.0	4.0	4.0									10.0	5.6
SSE		1.3	1.3									2.7	7.0
S		.7	3.3	2.7								6.7	10.1
SSW		2.0	2.0	.7								4.7	8.3
SW		.7	2.7	3.3		.7						7.3	11.6
WSW	.7	1.3	1.3	2.7	.7							6.7	9.9
W		2.7	3.3	1.3								7.3	8.5
WNW		2.7	5.3	2.0	.7							10.7	9.4
NW		1.3	2.7	2.7		.7						7.3	11.3
NNW		4.0	4.0	3.3	.7							12.0	9.3
VARBL													
CALM												2.0	
	4.7	31.3	38.7	20.0	2.0	1.3						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

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ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	1.3	.7	1.3								5.3	5.9
NNE	.7	2.7	2.0									5.3	5.5
NE	1.3	.7	.7									2.7	5.0
ENE	.7	.7	.7	.7								2.7	6.8
E	1.3	1.3										2.7	3.5
ESE	.7	2.0	.7									3.3	4.8
SE	2.0	8.0	.7									10.7	4.8
SSE		5.3	4.0									9.3	6.8
S	1.3	2.0	1.3	.7								5.3	6.4
SSW		1.3	2.0	1.3								4.7	9.1
SW	.7	2.0	3.3	2.0								8.0	8.5
WSW		.7	4.7									5.3	7.9
W		4.0	2.7	.7								7.3	7.4
WNW	.7	.7	1.3	3.3	.7							6.7	10.7
NW		2.0	4.0	3.3								9.3	9.4
NNW	.7	4.0	2.7	2.0								9.3	7.9
VARBL													
CALM												2.0	
	12.0	38.7	31.3	15.3	.7							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 150

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
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ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	4.0	.7									6.7	4.4
NNE	.7		.7									1.3	4.5
NE		1.3	2.0									3.3	6.6
ENE		.7		.7								1.3	8.0
E			.7	1.3								2.0	10.7
ESE	.7		.7									1.3	6.0
SE	2.0	2.0	1.3									5.3	5.5
SSE	2.0	2.0		.7								4.7	4.4
S	7.3	2.0	3.3	1.3								14.0	5.0
SSW	2.7	1.3	4.7	.7								9.3	6.6
SW	.7	1.3	1.3									3.3	6.4
WSW		.7		.7								1.3	8.5
W	2.7	1.3	1.3	1.3								6.7	5.9
WNW	2.0		3.3	.7		.7						6.7	8.3
NW	1.3	2.0	1.3	2.7								7.3	8.0
NNW	1.3	2.7	3.3									7.3	6.3
VARBL													
CALM												18.0	
	25.3	21.3	24.7	10.0		.7						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.7	.7	1.3								6.0	6.7
NNE	.7	2.7										3.3	4.6
NE	.7	.7										1.3	4.5
ENE	.7		2.0	1.3								4.0	9.2
E													
ESE		.7	.7									1.3	6.0
SE	1.3	.7	2.0									4.0	5.7
SSE		2.0		.7								2.7	6.3
S	3.3	2.7	2.7	1.3								10.0	5.8
SSW	2.0	4.0	2.7									8.7	5.5
SW	2.0	.7	4.7	2.7								10.0	8.1
WSW	2.7											2.7	2.3
W	.7	.7	2.7	.7								4.7	7.4
WNW	1.3	1.3	4.0	2.0								8.7	7.8
NW	1.3	2.0	1.3	2.7	.7							8.0	8.8
NNW	2.7	6.0	2.7	.7	.7							12.7	6.2
VARBL													
CALM												12.0	
	20.7	26.7	26.0	13.3	1.3							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	1.9	.7								5.8	6.5
NNE	.3	1.4	1.7	.2								3.6	6.4
NE	.6	1.7	1.6	.1								3.9	6.1
ENE	.5	.6	.8	.5								2.4	7.3
E	.5	.7	.2	.2								1.6	5.2
ESE	.3	1.2	.7									2.2	5.4
SE	1.0	2.3	1.2									4.6	5.5
SSE	.2	1.8	1.1	.2								3.3	6.1
S	2.2	2.2	2.2	.9								7.6	6.2
SSW	.8	2.2	2.2	1.2								6.3	7.4
SW	.9	1.6	2.8	2.5		.1						7.9	8.6
WSW	1.0	1.7	1.6	1.2	.1							5.5	7.4
W	1.7	3.1	3.2	1.2								9.2	6.7
WNW	.9	1.7	2.7	1.7	.2	.1						7.4	8.4
NW	1.4	1.6	2.4	2.7	.2	.1						8.7	8.6
NNW	1.2	4.3	3.5	1.4	.2							10.6	7.3
VARBL													
CALM												9.4	
	14.7	30.3	29.9	14.7	.7	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	1.9	1.3								6.5	7.4
NNE	.6		2.6									3.2	7.4
NE	.6	.6	.6	1.3								3.2	8.0
ENE	1.3	3.9										5.2	4.0
E	.6		1.3									1.9	6.0
ESE	1.3	.6										1.9	3.0
SE	.6	1.3	1.3									3.2	6.4
SSE	.6	.6	.6									1.9	5.3
S	1.9	1.9	3.9	1.9								9.7	8.1
SSW	.6	2.6	.6	.6								4.5	6.0
SW	1.9	1.3	3.9	1.9	.6							9.7	8.6
WSW		.6	.6	.6	.6							2.6	11.3
W	1.9	1.9	1.9	1.9								7.7	6.5
WNW	.6	1.9	1.9	3.9	.6							9.0	10.4
NW		4.5	.6	1.9	1.3							8.4	8.9
NNW	1.3	4.5	3.9									9.7	6.1
VARBL													
CALM												11.6	
	14.8	29.0	25.8	15.5	3.2							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.6	1.3	1.3								6.5	6.5
NNE	2.6	.6	1.9	.6								5.8	5.9
NE	.6	2.6	1.3									4.5	5.7
ENE	.6	1.3		.6								2.6	6.3
E	.6	.6	.6	.6								2.6	6.8
ESE	1.3	.6										1.9	3.0
SE		1.3	1.3									2.6	7.3
SSE		1.9	.6	.6								3.2	7.6
S	4.5	.6	1.3									6.5	4.2
SSW	.6	.6	1.9	1.3		.6						5.2	10.0
SW	.6	2.6	3.2	.6								7.1	7.5
WSW	1.3	.6	2.6	.6								5.2	6.4
W	1.3	3.2	2.6									7.1	5.3
WNW	.6	1.3	3.2	3.2	1.3							9.7	10.2
NW	.6	.6	.6	1.9	1.9							5.8	12.1
NNW	3.2	6.5	3.9	1.3								14.8	5.8
VARBL													
CALM												9.0	
	20.0	27.7	26.5	12.9	3.2	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	5.2	.6								7.7	7.9
NNE	.6	2.6		1.3								4.5	6.9
NE		1.3										1.3	5.0
ENE	.6	3.9	.6									5.2	4.4
E	.6	1.9	.6		1.3							4.5	9.1
ESE	1.3											1.3	2.0
SE													
SSE	1.3	1.3	1.9	.6								5.2	6.9
S	3.2	1.3	1.9									6.5	4.7
SSW	1.3	1.9	2.6	1.9								7.7	7.5
SW	1.3	1.9	1.9	.6								5.8	6.2
WSW	.6	1.3	.6									2.6	5.5
W	5.8	1.3	1.9	.6								9.7	4.4
WNW		1.3	3.2	1.3	1.3							7.1	10.7
NW	.6	2.6	1.9	4.5								9.7	9.4
NNW	1.9	3.9	2.6	.6								9.0	5.8
VARBL													
CALM												12.3	
	20.0	27.7	25.2	12.3	2.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6	5.8	.6								7.7	8.3
NNE		3.2	1.3									4.5	5.7
NE		1.3										1.3	5.0
ENE	2.6	1.9	1.9									6.5	5.2
E	.6	2.6	1.3			.6						5.2	7.3
ESE	1.3	1.9		.6								3.9	4.5
SE	.6	1.3	.6									2.6	5.0
SSE		.6	1.9									2.6	8.5
S	.6	1.3	5.8									7.7	7.1
SSW			1.9	1.3								3.2	10.4
SW	1.9	1.9	3.9	4.5								12.3	8.8
WSW		.6	1.9	2.6								5.2	10.0
W	1.3	1.3	1.9	.6								5.2	6.3
WNW	.6	3.2	.6	.6	1.3							6.5	9.0
NW	.6	3.2	1.9	9.0								14.8	10.5
NNW	1.3	1.9	2.6	2.6		.6						9.0	9.7
VARBL													
CALM												1.9	
	12.3	27.1	33.5	22.6	1.3	1.3						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.6	1.3	1.9								5.8	8.1
NNE	.6	4.5	2.6									7.7	5.8
NE		1.3										1.3	4.5
ENE	.6	1.3										1.9	3.3
E	.6	1.3				.6						2.6	9.5
ESE		3.9	1.3									5.2	5.8
SE	.6	1.3	4.5	.6								7.1	7.3
SSE	1.3	.6	.6	.6								3.2	5.6
S		1.9	3.9	1.9								7.7	8.8
SSW		.6	2.6	2.6	.6							6.5	10.1
SW		1.3	1.3	4.5								7.1	10.9
WSW		.6	4.5	2.6								7.7	9.8
W		.6	2.6		.6							3.9	10.3
WNW		1.9	1.9	3.2	.6							7.7	10.8
NW	1.9	1.3	5.2	7.7	.6							16.8	9.9
NNW	.6	1.3	3.2	1.3	.6							7.1	9.4
VARBL													
CALM												.6	
	6.5	26.5	35.5	27.1	3.2	.6						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	3.2	1.9	.6								8.4	5.8
NNE	.6	3.2	.6	.6								5.2	5.9
NE	1.3		.6									1.9	4.3
ENE	1.3	1.3										2.6	3.3
E	2.6	.6	.6				.6					4.5	7.3
ESE	.6	1.9		.6								3.2	5.8
SE	.6	3.9	1.3	.6								6.5	5.7
SSE	.6	1.9	1.3	1.3								5.2	7.6
S		3.9	1.3	1.3								6.5	6.8
SSW	1.3	4.5	1.3	3.9								11.0	7.8
SW		.6		1.3								1.9	10.0
WSW	.6	2.6	1.9	.6								5.8	6.7
W	1.3	1.9	2.6	1.9								7.7	7.7
WNW	.6	.6	2.6	5.2								9.0	11.4
NW	1.3	1.9	2.6	3.2								9.0	9.0
NNW		3.2	2.6	.6								6.5	8.0
VARBL													
CALM												5.2	
	15.5	35.5	21.3	21.9			.6					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	3.2	1.3	.6								8.4	4.8
NNE	.6		1.9	.6								3.2	8.6
NE	1.3	.6										1.9	2.7
ENE	1.9	1.3		.6								3.9	5.0
E	1.9	1.3										3.2	3.2
ESE	.6	.6	.6									1.9	5.7
SE	1.9				.6							2.6	6.8
SSE	2.6	1.9	1.3	1.9								7.7	7.3
S	4.5	3.9	1.9	1.3								11.6	5.4
SSW	1.3	2.6	.6	1.3	.6							6.5	7.8
SW	.6	1.3	.6	1.9								4.5	8.7
WSW	.6		.6	.6								1.9	7.7
W	.6	1.3	.6		.6							3.2	7.0
WNW	.6	.6	1.9	2.6	.6							6.5	10.9
NW	1.3		1.3	1.9		.6						5.2	10.5
NNW	2.6	4.5	1.9	1.9								11.0	6.5
VARBL													
CALM												16.8	
	26.5	23.2	14.8	15.5	2.6	.6						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 159

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.6	1.9	1.3								3.9	9.2
NNE		4.5	.6	.6								5.8	6.8
NE	1.9		1.3									3.2	5.0
ENE	3.2	.6	1.3									5.2	4.4
E	.6	1.9	.6									3.2	4.8
ESE	.6	.6										1.3	3.5
SE	1.3		1.3									2.6	4.8
SSE	.6	.6	1.3									2.6	5.3
S	3.2	4.5	3.2	1.3								12.3	6.2
SSW	1.9	1.9	3.2	1.3								8.4	6.5
SW	2.6	.6	1.9	1.9	.6							7.7	8.0
WSW	1.9	.6	.6									3.2	4.0
W	1.3	1.9	1.3	.6								5.2	6.0
WNW	1.3		1.3	4.5								7.1	10.2
NW	3.2	1.9		3.2	.6							9.0	7.6
NNW	1.9	5.2	3.2	.6								11.0	5.9
VARBL													
CALM												8.4	
	25.8	25.8	23.2	15.5	1.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.1	2.6	1.0								6.9	7.0
NNE	.7	2.3	1.5	.5								5.0	6.4
NE	.7	1.0	.5	.2								2.3	5.3
ENE	1.5	1.9	.5	.2								4.1	4.5
E	1.0	1.3	.6	.1	.2	.2	.1					3.5	6.9
ESE	.9	1.3	.2	.2								2.6	4.6
SE	.7	1.1	1.3	.2	.1							3.4	6.3
SSE	.9	1.2	1.2	.6								4.0	6.9
S	2.3	2.4	2.9	1.0								8.5	6.5
SSW	.9	1.9	1.9	1.8	.2	.1						6.6	8.0
SW	1.1	1.5	2.1	2.2	.2							7.0	8.5
WSW	.6	.9	1.7	1.0	.1							4.3	7.9
W	1.7	1.7	1.9	.7	.2							6.2	6.4
WNW	.6	1.4	2.1	3.1	.7							7.8	10.5
NW	1.2	2.0	1.8	4.2	.6	.1						9.8	9.7
NNW	1.6	3.9	3.0	1.1	.1	.1						9.8	6.9
VARBL													
CALM												8.2	
	17.7	27.8	25.7	17.9	2.2	.4	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) ALL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.2	1.9	.7	.0	.0						6.0	6.4
NNE	.9	2.2	1.3	.4	.0							4.8	6.0
NE	.8	1.8	.9	.2	.0							3.7	5.8
ENE	.8	1.2	.7	.2		.0						2.8	5.5
E	.9	1.6	.9	.2	.0	.0	.0					3.6	5.7
ESE	.7	1.6	.9	.2	.0							3.4	5.8
SE	.9	2.2	2.0	.6	.0							5.7	6.6
SSE	1.2	2.7	2.3	.7	.0							6.9	6.5
S	2.3	2.9	2.2	.8	.0	.0						8.2	5.9
SSW	1.2	2.1	2.2	1.2	.1	.0						6.7	7.2
SW	.9	1.9	2.4	1.4	.1	.0						6.7	7.7
WSW	.8	1.3	1.6	.9	.1	.0						4.7	7.6
W	1.7	2.3	1.8	.8	.1	.0	.0					6.8	6.5
WNW	1.3	1.8	1.7	1.4	.3	.1	.0	.0				6.5	8.0
NW	1.3	1.9	1.9	1.9	.3	.0						7.3	8.1
NNW	1.5	2.5	2.5	1.1	.2	.0						7.8	7.1
VARBL													
CALM												8.4	
	18.4	32.0	27.0	12.7	1.2	.2	.0	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 14608

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) ALL (MONTH)

INSTRUMENT (CLASS) ALL (HOURS (L.S.T.))

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE, AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE (CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	4.0	3.8	1.4								10.8	6.8
NNE	1.3	4.0	3.4	1.1								9.8	6.6
NE	1.2	3.9	2.7	.7								8.6	6.4
ENE	1.0	2.1	2.4	.8								6.2	6.8
E	1.2	2.6	1.7	.6	.2	.1	.1					6.5	7.0
ESE	.9	2.3	1.4	.4	.1							5.0	6.2
SE	1.2	2.2	2.7	.4	.1							6.6	6.6
SSE	.9	1.7	1.4	1.0								5.1	7.0
S	1.3	1.8	1.7	.9	.1	.1						5.9	7.3
SSW	.8	1.7	1.4	.9								4.8	6.9
SW	.8	1.4	1.1	.5								3.7	6.5
WSW	.5	.7	.7	.3	.1	.1						2.4	7.4
W	1.4	2.3	.9	.2	.1							4.9	5.3
WNW	1.4	1.1	.6	.1	.1			.1				3.4	5.6
NW	1.0	1.3	1.6	.7								4.5	7.0
NNW	1.3	1.2	1.6	.3								4.4	6.1
VARBL													
CALM												7.3	
	17.8	34.5	29.1	10.4	.7	.2	.1	.1				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1607

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NWSD, Federal Building

Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of $\geq$ 1500 feet with $\geq$ 3 miles, subtracted from 97.4 read from the table at the intersection of $\geq$ 500 feet with $\geq$ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling $\geq$ 500 feet with visibility $\geq$ 1 mile, but < 3 miles; or ceiling $\geq$ 500 feet, but < 1500 feet with visibility $\geq$ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.

2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JAN (MONTH) 01 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	51.6	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 30000	.7	57.4	58.7	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	.7	57.4	58.7	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	.7	57.4	58.7	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	.7	57.4	58.7	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	.7	57.4	58.7	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	.7	60.7	61.9	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	.7	61.9	63.2	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	.7	65.2	66.5	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	1.3	65.8	67.1	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	1.3	65.8	67.1	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	1.3	67.1	68.4	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	1.3	68.4	69.7	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	1.3	71.6	72.9	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	1.3	72.9	74.8	74.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	1.3	73.6	75.5	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	1.3	74.2	76.1	76.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	1.3	74.8	76.8	77.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	1.3	76.8	78.7	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	1.3	76.8	78.7	79.4	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	1.3	76.8	78.7	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1000	1.3	78.1	80.0	81.3	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900	1.3	78.1	80.0	81.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 800	1.3	78.1	80.0	82.6	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 700	1.3	78.7	80.7	83.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	1.3	79.4	81.3	83.9	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	1.3	80.0	81.9	84.5	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 400	1.3	80.0	82.6	85.8	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 300	1.3	80.0	82.6	86.5	92.3	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8	95.5
≥ 200	1.3	80.0	82.6	86.5	92.3	92.9	94.2	94.8	94.8	94.8	94.8	94.8	95.5	96.1	96.1	97.4
≥ 100	1.3	80.0	82.6	86.5	92.3	92.9	94.8	95.5	95.5	95.5	95.5	95.5	96.1	96.8	97.4	99.4
0	1.3	80.0	82.6	86.5	92.3	92.9	94.8	95.5	95.5	95.5	95.5	95.5	96.1	96.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JAN (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	54.8	55.5	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	.7	60.0	60.7	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	.7	60.0	60.7	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	.7	60.0	60.7	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	.7	60.0	60.7	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000	.7	60.0	60.7	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	.7	63.2	63.9	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	.7	63.9	64.5	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	.7	66.5	67.1	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	.7	67.7	68.4	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	.7	67.7	68.4	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	.7	68.4	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	.7	70.3	71.0	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	.7	71.6	72.9	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	.7	72.3	73.6	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	.7	73.6	75.5	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.0
≥ 2500	.7	74.8	76.8	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3
≥ 2000	.7	76.1	78.1	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.6
≥ 1800	.7	76.1	78.1	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.6
≥ 1500	.7	76.1	78.1	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.6
≥ 1200	.7	76.8	78.7	81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5
≥ 1000	.7	77.4	80.0	82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8
≥ 900	.7	77.4	80.0	82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8
≥ 800	.7	77.4	80.0	83.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.5
≥ 700	.7	77.4	80.0	83.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.7
≥ 600	.7	78.7	81.3	84.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.7
≥ 500	.7	78.7	81.9	85.2	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	91.6
≥ 400	.7	79.4	82.6	85.8	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	94.8
≥ 300	.7	79.4	82.6	85.8	92.9	92.9	93.6	93.6	93.6	94.8	94.8	94.8	95.5	95.5	96.1	97.4
≥ 200	.7	79.4	82.6	85.8	92.9	92.9	93.6	93.6	93.6	94.8	94.8	94.8	95.5	95.5	96.1	98.1
≥ 100	.7	79.4	82.6	85.8	92.9	92.9	93.6	93.6	93.6	94.8	94.8	94.8	96.1	96.1	96.8	98.7
0	.7	79.4	82.6	85.8	92.9	92.9	93.6	93.6	93.6	94.8	94.8	94.8	96.8	96.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.3	44.5	44.5	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000		51.0	54.2	54.2	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000		51.0	54.2	54.2	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000		51.0	54.2	54.2	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000		51.0	54.2	54.2	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000		51.6	54.8	54.8	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000		56.1	59.4	60.0	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000		56.1	59.4	60.0	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000		62.6	65.8	66.5	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000		63.2	66.5	67.1	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000		63.2	66.5	67.1	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000		63.9	67.1	67.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500		67.7	71.0	71.6	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000		69.0	72.3	72.9	74.8	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500		69.0	72.3	72.9	74.8	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000		69.7	72.9	74.2	76.1	76.1	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500		71.6	74.8	76.8	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000		72.3	75.5	77.4	79.4	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800		72.3	75.5	78.1	80.0	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500		73.6	76.8	79.4	81.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200		74.8	78.1	80.7	82.6	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000		74.8	78.1	81.3	83.2	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900		74.8	78.1	81.9	83.9	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 800		74.8	78.1	81.9	83.9	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700		74.8	78.7	83.9	85.8	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600		74.8	78.7	83.9	87.1	87.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 500		74.8	78.7	83.9	87.7	87.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6
≥ 400		74.8	78.7	84.5	89.0	89.0	91.0	92.3	92.3	92.3	92.3	92.3	93.6	94.2	94.2	94.2
≥ 300		74.8	78.7	84.5	89.0	89.7	92.9	94.2	94.2	94.2	94.2	94.2	95.5	96.1	96.8	96.8
≥ 200		74.8	78.7	84.5	89.0	89.7	92.9	94.2	94.2	94.2	94.2	94.2	96.1	96.8	97.4	97.4
≥ 100		74.8	78.7	84.5	89.0	89.7	92.9	94.2	94.2	94.8	94.8	94.8	96.8	97.4	98.1	98.7
0		74.8	78.7	84.5	89.0	89.7	92.9	94.2	94.2	94.8	94.8	94.8	96.8	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JAN (MONTH)

10 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	42.6	43.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	.7	51.0	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	.7	51.0	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	.7	51.0	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	.7	52.3	53.6	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	.7	53.6	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	.7	55.5	58.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	.7	56.1	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	.7	58.7	61.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	.7	59.4	62.6	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	.7	59.4	62.6	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	.7	62.6	65.8	68.4	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	1.3	65.2	68.4	71.6	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	1.3	67.7	71.0	74.2	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	1.3	67.7	71.0	74.8	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	1.3	71.0	74.2	78.1	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	1.3	71.6	74.8	78.7	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	1.3	72.9	76.1	80.0	81.3	81.3	82.6	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	1.3	72.9	76.1	80.0	81.3	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	1.3	73.6	76.8	80.7	82.6	83.2	84.5	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	1.3	74.2	77.4	81.3	83.9	84.5	85.8	86.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	1.3	74.2	77.4	81.9	85.2	85.8	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	1.3	74.2	77.4	81.9	85.2	85.8	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	1.3	74.2	77.4	81.9	85.2	86.5	87.7	89.7	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	1.3	74.2	77.4	82.6	86.5	87.7	89.0	91.0	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	1.3	74.2	77.4	82.6	86.5	87.7	89.0	91.0	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	1.3	74.8	78.7	84.5	88.4	90.3	91.6	93.6	93.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	1.3	74.8	78.7	84.5	88.4	90.3	91.6	93.6	93.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	1.3	75.5	79.4	85.2	89.7	91.6	93.6	95.5	95.5	96.1	97.4	97.4	98.1	98.1	98.1	98.1
≥ 200	1.3	75.5	79.4	85.2	89.7	91.6	93.6	95.5	95.5	96.8	98.1	98.1	99.4	99.4	100.0	100.0
≥ 100	1.3	75.5	79.4	85.2	89.7	91.6	93.6	95.5	95.5	96.8	98.1	98.1	99.4	99.4	100.0	100.0
≥ 0	1.3	75.5	79.4	85.2	89.7	91.6	93.6	95.5	95.5	96.8	98.1	98.1	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000	1.3	45.2	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 18000	1.3	45.8	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000	1.3	45.8	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	1.3	45.8	46.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	1.3	45.8	47.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	1.9	53.6	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	1.9	53.6	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	1.9	61.3	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	1.9	63.9	65.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	1.9	64.5	66.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	1.9	65.8	67.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	1.9	67.1	69.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	1.9	69.7	72.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	1.9	70.3	72.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	1.9	74.2	76.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	1.9	74.8	77.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	1.9	76.1	78.7	82.6	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	1.9	76.8	79.4	83.2	83.9	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	1.9	77.4	81.3	85.2	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	1.9	78.1	81.9	85.8	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	1.9	78.1	81.9	85.8	86.5	86.5	87.7	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	1.9	78.1	81.9	85.8	86.5	86.5	87.7	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	1.9	78.1	81.9	85.8	87.1	87.1	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700	1.9	78.1	82.6	86.5	88.4	89.0	90.3	90.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	1.9	78.1	82.6	86.5	88.4	89.0	90.3	91.6	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	1.9	78.1	82.6	86.5	88.4	89.0	91.6	93.6	93.6	94.8	94.8	94.8	94.8	95.5	95.5	95.5
≥ 400	1.9	78.1	83.2	87.1	89.0	89.7	92.3	94.2	94.2	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 300	1.9	78.1	83.2	87.1	89.0	89.7	92.9	94.8	95.5	96.8	97.4	97.4	98.7	98.7	99.4	99.4
≥ 200	1.9	78.1	83.2	87.1	89.0	89.7	92.9	94.8	95.5	96.8	97.4	97.4	99.4	99.4	100.0	100.0
≥ 100	1.9	78.1	83.2	87.1	89.0	89.7	92.9	94.8	95.5	96.8	97.4	97.4	99.4	99.4	100.0	100.0
0	1.9	78.1	83.2	87.1	89.0	89.7	92.9	94.8	95.5	96.8	97.4	97.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JAN (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	1.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	1.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	1.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	1.9	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	1.9	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	1.9	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	1.9	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	1.9	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	1.9	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	1.9	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	1.9	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	1.9	67.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	1.9	69.0	71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	1.9	70.3	72.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	1.9	74.2	77.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	1.9	74.8	78.7	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	1.9	76.1	80.0	81.9	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	1.9	76.1	80.0	81.9	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	1.9	77.4	81.3	83.2	85.2	85.8	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	1.9	77.4	81.3	83.2	85.8	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	1.9	77.4	81.3	83.2	85.8	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	1.9	77.4	81.3	83.2	86.5	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	1.9	78.1	81.9	83.9	87.1	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	1.9	78.1	81.9	84.5	88.4	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	1.9	78.1	81.9	85.2	89.7	90.3	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500	1.9	78.1	81.9	85.2	91.0	92.3	92.9	92.9	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	1.9	78.1	81.9	85.2	91.0	92.3	92.9	92.9	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8
≥ 300	1.9	78.1	81.9	85.8	91.6	92.9	94.2	95.5	95.5	96.8	98.1	98.1	98.7	98.7	99.4	99.4
≥ 200	1.9	78.1	81.9	85.8	91.6	92.9	94.2	95.5	95.5	96.8	98.1	98.1	99.4	99.4	100.0	100.0
≥ 100	1.9	78.1	81.9	85.8	91.6	92.9	94.2	95.5	95.5	96.8	98.1	98.1	99.4	99.4	100.0	100.0
0	1.9	78.1	81.9	85.8	91.6	92.9	94.2	95.5	95.5	96.8	98.1	98.1	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JAN (MONTH) | 19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	46.5	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	1.3	54.8	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	1.3	54.8	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	1.3	54.8	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	1.3	55.5	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	1.3	56.1	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	1.3	58.1	58.7	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	1.3	58.7	59.4	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	1.3	60.7	61.3	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	1.3	61.9	62.6	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	1.3	61.9	62.6	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	1.3	62.6	63.2	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	1.3	65.2	65.8	67.1	67.1	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	1.3	67.7	69.7	71.0	71.0	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	1.3	69.0	71.6	72.9	72.9	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	1.3	72.9	75.5	76.8	76.8	76.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	1.3	74.2	76.8	78.1	78.1	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	1.3	76.1	78.7	80.0	80.0	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	1.3	76.1	78.7	80.0	80.0	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	1.3	77.4	80.0	81.3	81.9	81.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	1.3	77.4	80.0	81.3	81.9	81.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	1.3	78.7	81.3	83.2	85.2	85.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	1.3	79.4	82.6	84.5	87.1	87.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	1.3	79.4	82.6	85.2	87.7	87.7	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	1.3	79.4	83.2	86.5	89.0	89.0	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	1.3	79.4	83.9	87.1	89.7	89.7	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	1.3	79.4	83.9	87.1	90.3	90.3	92.3	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	1.3	79.4	83.9	87.1	90.3	90.3	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300	1.3	79.4	83.9	87.1	90.3	90.3	92.9	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 200	1.3	79.4	83.9	87.1	90.3	90.3	92.9	94.8	95.5	96.8	97.4	97.4	97.4	97.4	98.7	98.7
≥ 100	1.3	79.4	83.9	87.1	90.3	90.3	92.9	94.8	95.5	96.8	97.4	97.4	97.4	97.4	98.7	99.4
0	1.3	79.4	83.9	87.1	90.3	90.3	92.9	94.8	95.5	96.8	97.4	97.4	97.4	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13741 — PATUXENT RIVER, MARYLAND (STATION NAME) — 73-77 (YEARS) — JAN (MONTH)

22 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	.7	59.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	.7	62.6	63.9	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	.7	62.6	63.9	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	1.3	68.4	69.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	1.3	68.4	69.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000	1.3	69.0	70.3	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	1.3	69.7	71.0	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	1.3	70.3	71.6	72.3	72.3	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	1.3	71.6	72.9	73.6	73.6	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	1.3	72.9	74.2	75.5	75.5	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	1.3	74.8	76.1	77.4	77.4	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	1.3	75.5	76.8	78.1	78.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	1.3	79.4	80.7	81.9	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	1.3	79.4	80.7	81.9	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	1.3	80.7	81.9	83.2	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	1.3	81.9	83.2	84.5	85.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	1.3	81.9	83.2	85.2	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	1.3	81.9	83.2	85.2	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	1.3	81.9	83.2	85.2	85.8	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	1.3	82.6	84.5	86.5	87.1	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	1.3	82.6	84.5	86.5	87.1	87.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	1.3	82.6	84.5	87.1	87.7	88.4	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 400	1.3	82.6	84.5	87.7	88.4	89.0	91.0	91.0	91.0	92.3	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	1.3	82.6	84.5	87.7	89.0	89.7	91.6	92.3	92.3	93.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 200	1.3	82.6	84.5	87.7	89.0	89.7	91.6	92.3	92.3	93.6	94.8	94.8	96.8	96.8	96.8	96.8
≥ 100	1.3	82.6	84.5	87.7	89.0	89.7	91.6	92.3	92.9	94.2	95.5	95.5	97.4	97.4	98.1	98.7
0	1.3	82.6	84.5	87.7	89.0	89.7	91.6	92.3	92.9	94.2	95.5	95.5	97.4	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JAN (MONTH) ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.8	46.0	47.2	47.6	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	.9	54.0	55.2	55.7	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	.9	54.0	55.2	55.8	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	.9	54.0	55.2	55.8	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	.9	54.4	55.6	56.3	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	.9	54.9	56.3	57.1	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	1.0	58.6	60.2	61.1	61.5	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 9000	1.0	59.0	60.6	61.5	61.9	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	1.1	63.2	64.8	65.7	66.2	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	1.1	64.4	66.1	67.1	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 6000	1.1	64.6	66.4	67.4	67.9	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	1.1	65.8	67.6	68.6	69.3	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	1.2	67.7	69.5	70.8	71.5	71.5	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4000	1.2	69.8	71.9	73.6	74.3	74.4	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	1.2	70.6	72.9	74.7	75.4	75.5	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	1.2	73.0	75.5	77.4	78.3	78.4	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 2500	1.2	74.0	76.5	78.6	79.5	79.7	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ 2000	1.2	75.5	78.1	80.2	81.3	81.5	82.1	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.6
≥ 1800	1.2	75.8	78.4	80.7	81.7	81.9	82.5	82.7	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.1
≥ 1500	1.2	76.6	79.4	81.6	83.0	83.2	84.0	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.6
≥ 1200	1.2	77.2	79.9	82.3	84.0	84.2	84.9	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.6
≥ 1000	1.2	77.6	80.4	83.1	85.2	85.4	86.4	86.6	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.1
≥ 900	1.2	77.7	80.6	83.4	85.7	85.9	86.9	87.1	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.6
≥ 800	1.2	77.7	80.7	83.7	86.1	86.5	87.5	87.9	87.9	88.3	88.4	88.4	88.4	88.4	88.4	88.5
≥ 700	1.2	77.9	81.1	84.6	87.3	87.7	88.8	89.2	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.8
≥ 600	1.2	78.2	81.5	85.0	88.0	88.5	89.6	90.2	90.2	90.6	90.7	90.7	90.7	90.7	90.7	90.9
≥ 500	1.2	78.3	81.8	85.5	89.1	89.8	91.1	92.0	92.0	92.4	92.7	92.7	92.7	92.8	92.9	93.1
≥ 400	1.2	78.4	82.0	86.0	90.0	90.7	92.1	93.0	93.0	93.6	94.0	94.0	94.4	94.4	94.5	94.7
≥ 300	1.2	78.5	82.1	86.2	90.5	91.2	93.2	94.4	94.5	95.3	95.9	95.9	96.5	96.6	97.0	97.3
≥ 200	1.2	78.5	82.1	86.2	90.5	91.2	93.2	94.4	94.6	95.6	96.2	96.2	97.4	97.6	98.2	98.6
≥ 100	1.2	78.5	82.1	86.2	90.5	91.2	93.3	94.5	94.8	95.8	96.5	96.5	97.7	97.9	98.6	99.4
0	1.2	78.5	82.1	86.2	90.5	91.2	93.3	94.5	94.8	95.8	96.5	96.5	97.8	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		58.2	58.9	58.9	59.6	59.6	59.6	59.6	59.6	59.6	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000		64.5	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000		64.5	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000		64.5	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000		65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000		65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000		67.4	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000		68.1	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000		70.2	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000		70.2	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000		70.9	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000		71.6	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4500		73.1	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000		76.6	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3500		76.6	80.1	80.1	80.9	80.9	80.9	81.6	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000		78.7	82.3	83.0	83.7	83.7	83.7	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500		80.1	83.7	84.4	85.1	85.1	85.1	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000		80.9	84.4	85.1	85.8	85.8	85.8	86.5	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800		80.9	84.4	85.1	85.8	85.8	85.8	86.5	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500		80.9	85.1	85.8	86.5	86.5	86.5	87.2	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200		81.6	85.8	86.5	87.2	87.2	87.2	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000		83.7	87.9	88.7	89.4	90.1	90.1	90.8	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900		84.4	88.7	89.4	90.1	90.8	90.8	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800		84.4	88.7	89.4	90.1	90.8	90.8	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700		84.4	88.7	90.1	90.8	91.5	91.5	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600		84.4	89.4	91.5	92.2	92.9	92.9	93.6	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500		85.1	90.1	92.2	92.9	93.6	93.6	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400		85.1	90.1	92.9	94.3	95.0	95.0	95.7	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300		85.1	90.1	92.9	95.0	95.7	95.7	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200		85.1	90.1	92.9	95.7	96.5	96.5	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100		85.1	90.1	92.9	95.7	96.5	96.5	97.2	97.2	97.2	97.9	97.9	97.9	97.9	98.6	99.3
0		85.1	90.1	92.9	95.7	96.5	96.5	97.2	97.2	97.2	97.9	97.9	97.9	97.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.2	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000		63.8	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000		63.8	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000		63.8	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000		63.8	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000		63.8	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000		70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000		70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000		74.5	75.2	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000		74.5	75.2	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000		75.2	75.9	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000		76.6	78.0	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4500		78.0	79.4	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4000		79.4	80.9	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500		80.1	81.6	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000		80.1	82.3	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500		82.3	84.4	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000		84.4	87.2	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800		84.4	87.2	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500		84.4	87.2	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200		85.8	88.7	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1000		86.5	89.4	90.8	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900		86.5	89.4	90.8	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800		87.9	90.8	92.2	92.2	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700		87.9	90.8	92.2	92.2	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600		88.7	91.5	92.9	92.9	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500		88.7	91.5	92.9	92.9	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400		88.7	91.5	92.9	93.6	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300		88.7	91.5	92.9	93.6	94.3	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 200		88.7	91.5	92.9	95.0	95.7	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100		88.7	91.5	92.9	95.0	95.7	97.2	97.9	97.9	98.6	98.6	98.6	99.3	99.3	99.3	99.3
0		88.7	91.5	92.9	95.0	95.7	97.2	97.9	97.9	98.6	98.6	98.6	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH) 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	53.9	53.9	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	.7	61.0	61.7	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
18000	.7	61.0	61.7	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
16000	.7	61.0	61.7	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
14000	.7	61.0	61.7	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
12000	.7	63.8	64.5	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
10000	.7	68.8	69.5	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
9000	.7	69.5	70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
8000	.7	71.6	73.1	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
7000	.7	73.1	74.5	75.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
6000	.7	73.1	74.5	75.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
5000	.7	73.1	74.5	75.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
4500	.7	75.2	76.6	78.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
4000	.7	78.0	79.4	80.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
3500	.7	78.0	79.4	80.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
3000	.7	78.7	80.1	81.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
2500	.7	78.7	80.1	81.6	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
2000	.7	80.1	81.6	83.0	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1800	.7	80.1	81.6	83.0	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1500	.7	80.9	82.3	83.7	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1200	.7	82.3	83.7	85.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1000	.7	82.3	83.7	85.8	88.7	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1
900	.7	82.3	83.7	85.8	88.7	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1
800	.7	83.0	84.4	86.5	89.4	90.1	90.1	90.1	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8
700	.7	83.0	84.4	86.5	89.4	90.1	90.1	90.8	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5
600	.7	83.0	85.1	87.2	90.1	90.8	90.8	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2
500	.7	83.0	85.1	87.9	90.8	92.2	92.2	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
400	.7	83.0	85.1	88.7	91.5	92.9	93.6	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0
300	.7	83.0	85.1	88.7	91.5	93.6	94.3	95.7	95.7	95.7	96.5	96.5	96.5	96.5	96.5	97.2
200	.7	83.0	85.1	88.7	91.5	93.6	94.3	95.7	95.7	95.7	96.5	96.5	96.5	96.5	97.2	97.9
100	.7	83.0	85.1	88.7	91.5	93.6	94.3	95.7	95.7	95.7	96.5	96.5	96.5	96.5	97.9	100.0
0	.7	83.0	85.1	88.7	91.5	93.6	94.3	95.7	95.7	95.7	96.5	96.5	96.5	96.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | FEB (MONTH) | 10 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.6	50.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	3.6	58.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	3.6	58.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 16000	3.6	58.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	3.6	60.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	3.6	63.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	3.6	67.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000	3.6	67.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 8000	3.6	74.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	3.6	75.9	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	3.6	75.9	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	3.6	75.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	3.6	76.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4000	3.6	78.7	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3500	3.6	78.7	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	3.6	80.1	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	3.6	80.9	85.1	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	3.6	80.9	85.8	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	3.6	80.9	85.8	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500	3.6	81.6	87.2	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	3.6	81.6	87.2	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	3.6	82.3	87.9	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	3.6	82.3	87.9	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	3.6	82.3	87.9	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700	3.6	83.0	88.7	89.4	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 600	3.6	83.0	89.4	90.1	90.8	91.5	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	3.6	83.0	89.4	90.1	90.8	91.5	93.6	93.6	93.6	94.3	94.3	94.3	95.0	95.0	95.0	95.0
≥ 400	3.6	83.0	90.1	90.8	91.5	92.2	95.0	95.7	95.7	96.5	96.5	96.5	97.2	97.2	97.2	97.2
≥ 300	3.6	83.0	90.1	90.8	91.5	92.2	95.0	96.5	96.5	97.9	97.9	97.9	98.6	98.6	98.6	98.6
≥ 200	3.6	83.0	90.1	90.8	91.5	92.2	95.0	96.5	96.5	97.9	97.9	97.9	98.6	98.6	98.6	98.6
≥ 100	3.6	83.0	90.1	90.8	91.5	92.2	95.0	96.5	96.5	97.9	97.9	97.9	99.3	99.3	99.3	99.3
0	3.6	83.0	90.1	90.8	91.5	92.2	95.0	96.5	96.5	97.9	97.9	97.9	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.6	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	3.6	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	3.6	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	3.6	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	3.6	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	3.6	62.4	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 10000	3.6	69.5	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 9000	3.6	70.2	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000	3.6	71.6	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	3.6	73.8	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	3.6	74.5	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	3.6	75.2	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	3.6	75.2	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	3.6	78.0	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	3.6	78.7	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	3.6	81.6	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	3.6	82.3	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	3.6	82.3	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	3.6	82.3	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500	3.6	83.7	85.8	85.8	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1200	3.6	85.8	88.7	88.7	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	3.6	85.8	88.7	88.7	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 900	3.6	85.8	88.7	88.7	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	3.6	85.8	88.7	88.7	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700	3.6	85.8	88.7	88.7	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	3.6	85.8	88.7	88.7	92.2	92.9	93.6	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	3.6	85.8	88.7	88.7	92.9	93.6	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	3.6	85.8	88.7	89.4	93.6	94.3	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	3.6	85.8	88.7	89.4	93.6	94.3	97.9	97.9	97.9	98.6	98.6	98.6	99.3	99.3	99.3	99.3
≥ 200	3.6	85.8	88.7	89.4	93.6	94.3	97.9	97.9	97.9	98.6	98.6	98.6	99.3	99.3	99.3	99.3
≥ 100	3.6	85.8	88.7	89.4	93.6	94.3	97.9	97.9	97.9	98.6	98.6	98.6	100.0	100.0	100.0	100.0
≥ 0	3.6	85.8	88.7	89.4	93.6	94.3	97.9	97.9	97.9	98.6	98.6	98.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) FEB (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.6	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	3.6	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	3.6	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	3.6	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	3.6	61.7	61.7	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	3.6	63.8	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	3.6	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	3.6	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	3.6	69.5	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 7000	3.6	69.5	70.2	70.2	70.9	70.9	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	3.6	69.5	70.2	70.2	70.9	70.9	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	3.6	70.2	71.6	71.6	72.3	72.3	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	3.6	74.5	75.9	75.9	76.6	76.6	76.6	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	3.6	76.6	78.0	78.0	78.7	78.7	78.7	78.7	78.7	79.4	80.1	80.1	80.9	80.9	80.9	80.9
≥ 3500	3.6	77.3	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.9	81.6	81.6	82.3	82.3	82.3	82.3
≥ 3000	3.6	78.0	80.1	80.1	80.9	80.9	80.9	80.9	80.9	81.6	82.3	82.3	83.0	83.0	83.0	83.0
≥ 2500	3.6	78.0	80.9	80.9	81.6	81.6	81.6	81.6	81.6	82.3	83.0	83.0	83.7	83.7	83.7	83.7
≥ 2000	3.6	78.0	81.6	81.6	83.0	83.0	83.0	83.0	83.0	83.7	84.4	84.4	85.1	85.1	85.1	85.1
≥ 1800	3.6	78.0	81.6	81.6	83.0	83.0	83.0	83.0	83.0	83.7	84.4	84.4	85.1	85.1	85.1	85.1
≥ 1500	3.6	79.4	83.0	83.0	84.4	84.4	85.1	85.1	85.1	85.8	86.5	86.5	87.2	87.2	87.2	87.2
≥ 1200	3.6	82.3	85.8	85.8	87.2	87.2	87.9	87.9	87.9	89.4	90.1	90.1	90.8	90.8	90.8	90.8
≥ 1000	3.6	82.3	86.5	86.5	88.7	88.7	89.4	89.4	89.4	90.8	91.5	91.5	92.2	92.2	92.2	92.2
≥ 900	3.6	82.3	86.5	87.2	89.4	89.4	90.1	90.1	90.1	91.5	92.2	92.2	92.9	92.9	92.9	92.9
≥ 800	3.6	82.3	86.5	87.2	89.4	89.4	90.1	90.1	90.1	91.5	92.2	92.2	92.9	92.9	92.9	92.9
≥ 700	3.6	82.3	87.2	87.9	90.1	90.1	90.8	91.5	91.5	92.9	93.6	93.6	94.3	94.3	94.3	94.3
≥ 600	3.6	82.3	87.2	88.7	90.8	90.8	91.5	92.2	92.2	93.6	94.3	94.3	95.0	95.0	95.0	95.0
≥ 500	3.6	82.3	87.2	88.7	90.8	90.8	91.5	92.2	92.2	93.6	94.3	94.3	95.0	95.0	95.0	95.0
≥ 400	3.6	83.0	87.9	89.4	91.5	91.5	92.2	93.6	93.6	95.0	95.7	95.7	96.5	96.5	96.5	96.5
≥ 300	3.6	83.0	87.9	89.4	91.5	91.5	92.9	94.3	94.3	95.7	96.5	96.5	97.9	97.9	97.9	97.9
≥ 200	3.6	83.0	87.9	89.4	91.5	91.5	92.9	94.3	94.3	96.5	97.2	97.2	98.6	98.6	98.6	98.6
≥ 100	3.6	83.0	87.9	89.4	91.5	91.5	92.9	94.3	94.3	96.5	97.2	97.2	98.6	98.6	98.6	99.3
≥ 0	3.6	83.0	87.9	89.4	91.5	91.5	92.9	94.3	94.3	96.5	97.2	97.2	98.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		54.6	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000		61.7	62.4	62.4	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 18000		61.7	62.4	62.4	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000		61.7	62.4	62.4	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000		61.7	62.4	62.4	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000		63.8	64.5	64.5	64.5	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000		65.3	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000		65.3	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000		68.1	68.8	68.8	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000		69.5	70.2	70.2	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000		69.5	70.2	70.2	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000		72.3	73.8	73.8	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500		73.8	75.2	75.2	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000		76.6	79.4	79.4	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500		77.3	80.1	80.1	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000		77.3	80.9	81.6	85.1	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500		80.1	83.7	84.4	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000		80.9	84.4	85.1	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800		80.9	84.4	85.1	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500		80.9	84.4	85.1	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200		80.9	84.4	85.1	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000		80.9	85.1	85.8	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900		80.9	85.1	85.8	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800		80.9	85.1	85.8	89.4	89.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700		80.9	85.8	86.5	90.1	90.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600		80.9	85.8	86.5	90.8	90.8	92.2	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500		81.6	87.9	88.7	92.9	92.9	94.3	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400		81.6	87.9	88.7	93.6	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300		81.6	87.9	88.7	93.6	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5
≥ 200		81.6	87.9	88.7	93.6	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5
≥ 100		81.6	87.9	88.7	93.6	93.6	95.7	95.7	95.7	95.7	96.5	96.5	97.2	97.2	97.2	98.6
0		81.6	87.9	88.7	93.6	93.6	95.7	95.7	95.7	95.7	96.5	96.5	97.2	97.2	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		59.6	59.6	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.7	61.7	61.7
≥ 20000		63.8	64.5	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7
≥ 18000		63.8	64.5	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7
≥ 16000		63.8	64.5	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7
≥ 14000		64.5	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.4	67.4	67.4
≥ 12000		66.0	66.7	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.8	68.8	68.8
≥ 10000		68.8	69.5	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.6	71.6	71.6
≥ 9000		68.8	69.5	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.6	71.6	71.6
≥ 8000		70.9	71.6	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.5	74.5	75.2
≥ 7000		71.6	72.3	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.9
≥ 6000		73.1	73.8	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.6	76.6	77.3
≥ 5000		73.1	73.8	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.6	76.6	77.3
≥ 4500		75.9	77.3	78.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.9	80.9	81.6
≥ 4000		76.6	78.0	79.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.6	81.6	82.3
≥ 3500		77.3	78.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.3	82.3	83.0
≥ 3000		78.0	79.4	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.0	83.0	83.7
≥ 2500		78.0	79.4	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.0	83.0	83.7
≥ 2000		80.1	81.6	83.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.1	85.1	85.8
≥ 1800		80.1	81.6	83.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.1	85.1	85.8
≥ 1500		82.3	83.7	85.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.9	87.9	88.7
≥ 1200		83.0	84.4	85.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.7	88.7	89.4
≥ 1000		83.7	85.1	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.4	89.4	90.1
≥ 900		83.7	85.1	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.4	89.4	90.1
≥ 800		83.7	85.1	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.4	89.4	90.1
≥ 700		84.4	85.8	87.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.8
≥ 600		84.4	85.8	87.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.8
≥ 500		84.4	85.8	87.9	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.5	91.5	92.2
≥ 400		84.4	85.8	88.7	90.8	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.9	92.9	93.6
≥ 300		84.4	86.5	89.4	92.2	92.9	92.9	94.3	94.3	94.3	94.3	94.3	94.3	95.0	95.7	96.5
≥ 200		84.4	86.5	89.4	92.2	92.9	92.9	94.3	94.3	94.3	94.3	94.3	94.3	95.0	95.7	96.5
≥ 100		84.4	86.5	89.4	92.2	93.6	93.6	95.7	95.7	95.7	95.7	95.7	95.7	96.5	97.9	99.3
0		84.4	86.5	89.4	92.2	93.6	93.6	95.7	95.7	95.7	95.7	95.7	95.7	96.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | FEB (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.4	53.7	54.1	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8
≥ 20000	1.4	61.8	62.4	62.7	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4
≥ 18000	1.4	61.8	62.4	62.7	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4
≥ 16000	1.4	61.8	62.4	62.7	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4
≥ 14000	1.4	62.3	62.9	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.9	63.9	63.9
≥ 12000	1.4	64.0	64.8	65.1	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.8	65.8	65.8
≥ 10000	1.4	67.9	68.7	69.0	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7
≥ 9000	1.4	68.3	69.1	69.3	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	1.4	71.4	72.4	73.0	73.6	73.7	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0
≥ 7000	1.4	72.3	73.4	73.9	74.6	74.7	74.7	74.7	74.7	74.8	74.9	74.9	74.9	75.0	75.0	75.1
≥ 6000	1.4	72.7	73.9	74.4	75.0	75.1	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.5
≥ 5000	1.4	73.5	75.1	75.6	76.2	76.3	76.4	76.4	76.4	76.5	76.6	76.6	76.6	76.7	76.7	76.8
≥ 4500	1.4	75.3	77.1	77.7	78.6	78.7	78.8	78.8	78.8	78.9	79.0	79.0	79.0	79.1	79.1	79.2
≥ 4000	1.4	77.6	79.9	80.4	81.6	81.7	81.7	81.7	81.7	81.8	82.0	82.0	82.1	82.2	82.2	82.3
≥ 3500	1.4	78.0	80.4	80.9	82.1	82.2	82.3	82.4	82.4	82.5	82.6	82.6	82.7	82.8	82.8	82.9
≥ 3000	1.4	79.1	81.7	82.4	83.7	83.8	83.9	84.0	84.0	84.0	84.2	84.2	84.3	84.4	84.4	84.5
≥ 2500	1.4	80.1	82.7	83.4	84.8	84.9	85.0	85.1	85.1	85.2	85.4	85.4	85.5	85.6	85.6	85.6
≥ 2000	1.4	80.9	83.9	84.7	86.1	86.3	86.4	86.4	86.4	86.5	86.7	86.7	86.8	86.9	86.9	87.0
≥ 1800	1.4	80.9	83.9	84.7	86.1	86.3	86.4	86.4	86.4	86.5	86.7	86.7	86.8	86.9	86.9	87.0
≥ 1500	1.4	81.7	84.8	85.6	87.2	87.4	87.6	87.7	87.7	87.8	87.9	87.9	88.0	88.1	88.1	88.2
≥ 1200	1.4	82.9	86.1	86.9	88.4	88.7	88.8	88.9	88.9	89.1	89.3	89.3	89.4	89.5	89.5	89.5
≥ 1000	1.4	83.4	86.8	87.7	89.4	89.7	90.1	90.2	90.2	90.3	90.6	90.6	90.7	90.8	90.8	90.9
≥ 900	1.4	83.5	86.9	87.9	89.5	89.9	90.3	90.3	90.3	90.5	90.8	90.8	90.9	91.0	91.0	91.1
≥ 800	1.4	83.8	87.2	88.1	89.8	90.2	90.6	90.7	90.7	90.9	91.1	91.1	91.2	91.3	91.3	91.4
≥ 700	1.4	84.0	87.5	88.6	90.3	90.7	91.1	91.4	91.4	91.6	91.8	91.8	91.9	92.0	92.0	92.1
≥ 600	1.4	84.0	87.9	89.1	91.1	91.6	92.1	92.4	92.4	92.7	93.1	93.1	93.2	93.3	93.3	93.4
≥ 500	1.4	84.2	88.2	89.6	91.8	92.4	93.4	93.6	93.6	94.0	94.3	94.3	94.5	94.6	94.6	94.7
≥ 400	1.4	84.3	88.4	90.2	92.6	93.2	94.5	95.0	95.0	95.4	95.7	95.7	95.9	96.0	96.0	96.1
≥ 300	1.4	84.3	88.5	90.3	92.8	93.5	95.0	95.9	95.9	96.4	96.7	96.7	97.1	97.2	97.3	97.4
≥ 200	1.4	84.3	88.5	90.3	93.1	93.8	95.3	96.2	96.2	96.7	97.1	97.1	97.4	97.5	97.7	97.9
≥ 100	1.4	84.3	88.5	90.3	93.1	93.9	95.4	96.4	96.4	97.0	97.3	97.3	98.1	98.1	98.6	99.4
0	1.4	84.3	88.5	90.3	93.1	93.9	95.4	96.4	96.4	97.0	97.3	97.3	98.1	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1128

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.7	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000		52.3	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000		52.3	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000		52.3	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000		52.9	52.9	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000		53.6	53.6	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000		61.3	61.3	61.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.5
≥ 9000		61.3	61.3	61.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.5
≥ 8000		65.8	65.8	66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7
≥ 7000		65.8	65.8	66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7
≥ 6000		65.8	65.8	66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7
≥ 5000		66.5	67.1	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.0
≥ 4500		70.3	71.6	72.3	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.5
≥ 4000		72.3	73.6	74.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.4
≥ 3500		72.9	74.2	74.8	76.8	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.7
≥ 3000		74.8	76.1	77.4	79.4	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	81.3
≥ 2500		76.8	78.1	79.4	81.3	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	83.2
≥ 2000		76.8	78.1	79.4	81.3	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	83.2
≥ 1800		77.4	79.4	80.7	82.6	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	84.5
≥ 1500		78.1	80.0	81.3	83.2	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	85.2
≥ 1200		78.1	80.0	81.9	83.9	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.8
≥ 1000		78.7	81.3	83.9	86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	88.4
≥ 900		78.7	81.3	84.5	87.1	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.7
≥ 800		78.7	81.3	84.5	87.1	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.7
≥ 700		78.7	81.3	84.5	87.1	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.7
≥ 600		79.4	81.9	85.2	87.7	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	90.3
≥ 500		80.0	82.6	85.8	88.4	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	91.0
≥ 400		80.7	83.2	87.1	90.3	91.0	91.6	91.6	91.6	92.3	92.3	92.3	92.9	92.9	92.9	93.6
≥ 300		80.7	83.2	87.1	90.3	91.0	92.3	92.3	92.3	92.9	93.6	93.6	94.2	94.2	94.2	94.8
≥ 200		80.7	83.2	87.1	90.3	91.0	92.3	92.3	92.3	93.6	94.2	94.2	94.8	94.8	94.8	95.5
≥ 100		80.7	83.2	87.1	90.3	91.0	92.3	92.3	92.3	94.2	94.8	94.8	95.5	95.5	97.4	99.4
0		80.7	83.2	87.1	90.3	91.0	92.3	92.3	92.3	94.2	94.8	94.8	95.5	95.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.7	47.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6
≥ 20000		53.6	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4
≥ 18000		53.6	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4
≥ 16000		53.6	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4
≥ 14000		53.6	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4
≥ 12000		54.2	54.2	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	58.1
≥ 10000		58.1	58.1	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9
≥ 9000		58.1	58.1	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9
≥ 8000		62.6	62.6	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.5
≥ 7000		62.6	62.6	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.5
≥ 6000		62.6	62.6	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.5
≥ 5000		63.9	63.9	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.7
≥ 4500		65.2	65.2	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	69.0
≥ 4000		66.5	66.5	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3
≥ 3500		67.1	67.1	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.0
≥ 3000		68.4	69.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9
≥ 2500		70.3	71.6	74.8	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.8
≥ 2000		70.3	72.9	76.1	77.4	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.7
≥ 1800		71.0	73.6	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	79.4
≥ 1500		73.6	76.1	79.4	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.9
≥ 1200		73.6	76.1	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	82.6
≥ 1000		74.2	77.4	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	84.5
≥ 900		74.8	78.7	82.6	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.8
≥ 800		74.8	79.4	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.5
≥ 700		74.8	79.4	84.5	86.5	86.5	86.5	86.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	88.4
≥ 600		74.8	79.4	84.5	86.5	86.5	86.5	86.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	88.4
≥ 500		75.5	80.0	85.8	87.7	87.7	87.7	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.7
≥ 400		75.5	80.0	85.8	88.4	88.4	88.4	88.4	88.4	89.0	89.7	89.7	90.3	90.3	90.3	91.0
≥ 300		75.5	80.0	85.8	88.4	88.4	88.4	89.0	89.0	90.3	91.0	91.0	91.6	91.6	91.6	92.3
≥ 200		75.5	80.0	86.5	89.0	89.0	89.0	90.3	90.3	91.6	92.3	92.3	92.9	93.6	93.6	94.2
≥ 100		75.5	80.0	86.5	89.0	89.0	89.0	90.3	90.3	91.6	92.9	92.9	94.8	95.5	96.1	97.4
0		75.5	80.0	86.5	89.0	89.0	89.0	90.3	90.3	91.6	92.9	92.9	94.8	95.5	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07 HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	36.1	38.1	38.7	40.0	40.0	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	1.3	42.6	44.5	45.2	46.5	46.5	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	1.3	42.6	44.5	45.2	46.5	46.5	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	1.3	42.6	44.5	45.2	46.5	46.5	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	1.3	42.6	44.5	45.2	46.5	46.5	47.7	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	1.3	43.9	45.8	46.5	47.7	47.7	49.0	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	1.3	47.7	52.3	52.9	54.2	54.2	55.5	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	1.3	48.4	52.9	53.6	54.8	54.8	56.1	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	1.3	50.3	54.8	55.5	57.4	57.4	58.7	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	1.3	51.0	55.5	56.1	58.1	58.1	59.4	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	1.3	52.3	56.8	57.4	59.4	59.4	60.7	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	1.3	53.6	58.7	59.4	61.3	61.9	63.2	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	1.3	56.8	61.9	62.6	64.5	65.2	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	1.3	60.0	65.2	65.8	67.7	68.4	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	1.3	61.3	66.5	67.1	69.0	69.7	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	1.3	64.5	69.7	71.0	72.9	73.6	74.8	75.5	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	1.3	65.8	71.0	72.3	74.2	74.8	76.1	76.8	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	1.3	66.5	71.6	72.9	75.5	76.1	78.1	78.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	1.3	66.5	71.6	72.9	75.5	76.1	78.1	78.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	1.3	66.5	71.6	72.9	75.5	76.1	78.1	78.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	1.3	67.1	72.9	74.2	76.8	77.4	79.4	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1000	1.3	68.4	74.8	76.1	79.4	80.0	81.9	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 900	1.3	68.4	74.8	76.8	80.0	80.7	82.6	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	1.3	68.4	74.8	76.8	81.3	81.9	83.9	84.5	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	1.3	68.4	74.8	77.4	81.9	83.2	85.2	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	1.3	68.4	75.5	78.1	82.6	83.9	85.8	86.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	1.3	68.4	75.5	78.1	82.6	83.9	86.5	87.1	87.1	88.4	88.4	88.4	88.4	88.4	89.0	89.0
≥ 400	1.3	68.4	75.5	78.1	83.2	84.5	87.1	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.7	89.7
≥ 300	1.3	68.4	75.5	78.1	83.2	84.5	87.1	87.7	87.7	89.0	89.0	89.7	89.7	89.7	90.3	90.3
≥ 200	1.3	68.4	75.5	78.1	83.2	85.2	88.4	89.0	89.0	91.0	92.3	92.9	94.2	94.8	96.1	96.1
≥ 100	1.3	68.4	75.5	78.1	83.2	85.2	88.4	89.0	89.0	91.0	92.3	92.9	94.2	94.8	96.1	98.1
0	1.3	68.4	75.5	78.1	83.2	85.2	88.4	89.0	89.0	91.0	92.3	92.9	94.2	94.8	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

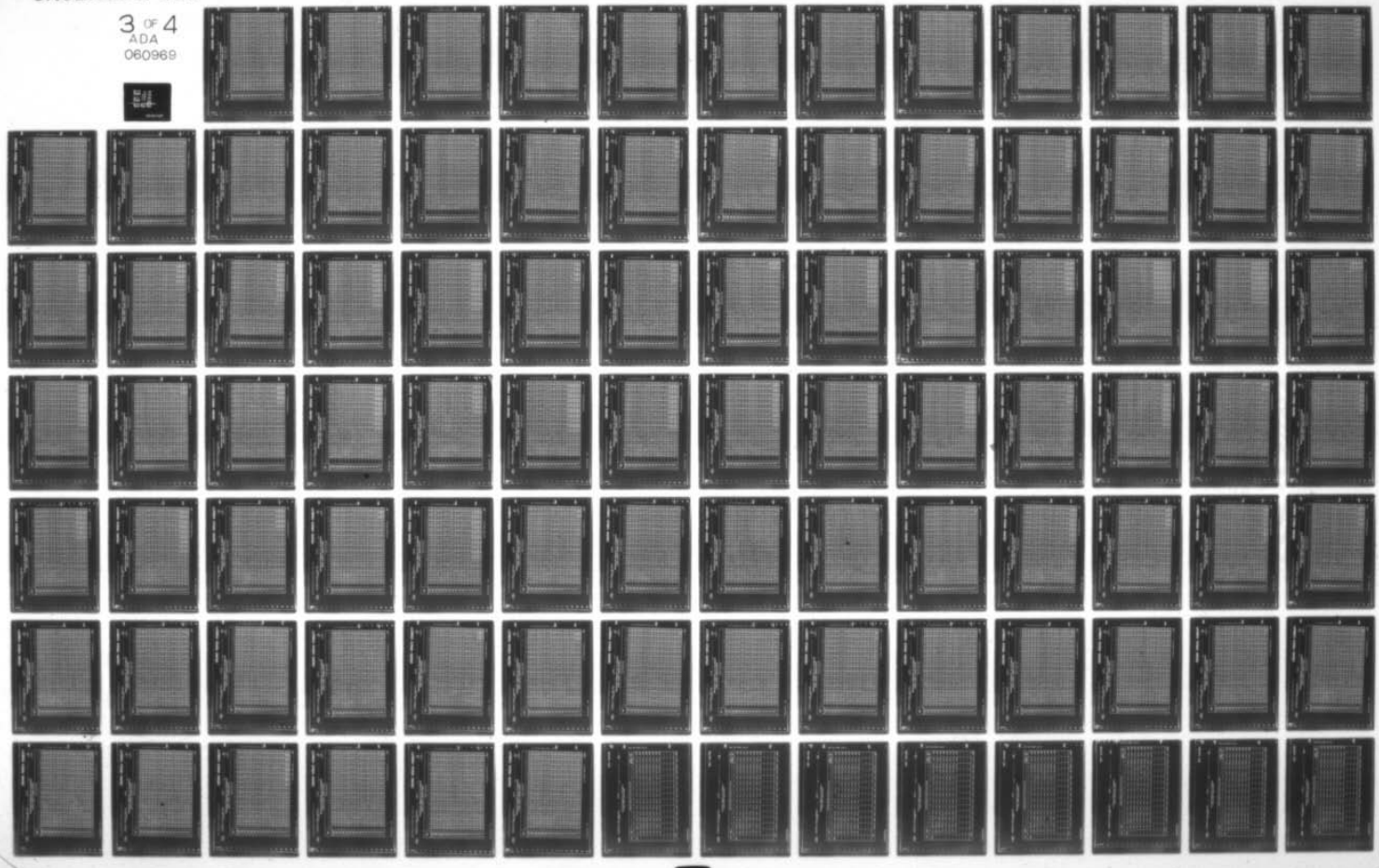
DIRNAVOCEANMET SMOS

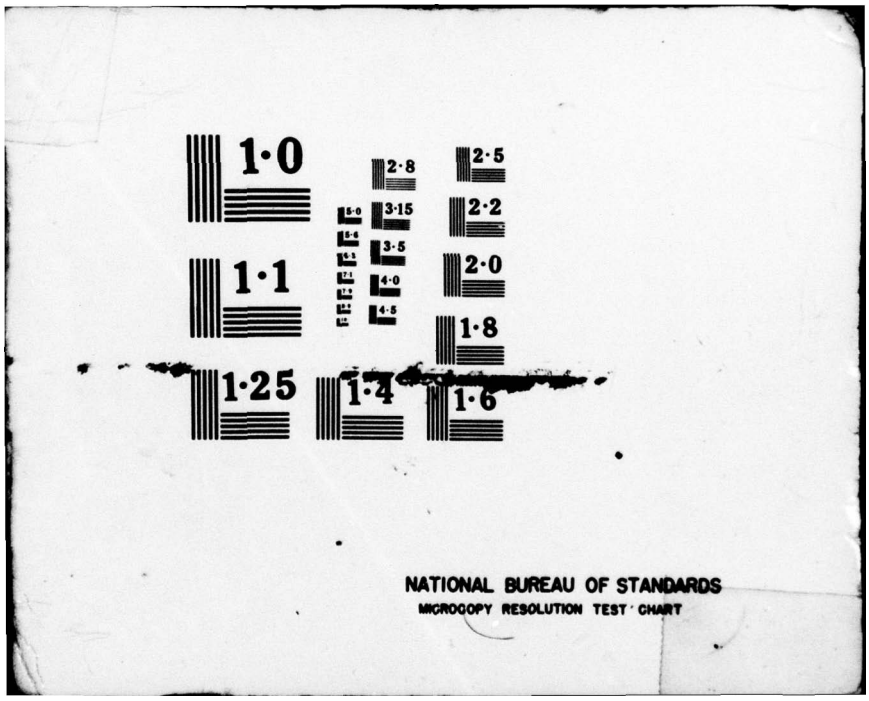
5703 CEILING VERSUS VISIBILITY JAN 73

AD-A060 969 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) PATUXENT--ETC(U)
JUL 78

UNCLASSIFIED NL

3 OF 4
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NATIONAL BUREAU OF STANDARDS
MICROCOPY RESOLUTION TEST CHART

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.6	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	2.6	51.0	52.3	52.3	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	2.6	51.6	52.9	52.9	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	2.6	52.3	53.6	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	2.6	52.3	53.6	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	2.6	54.2	55.5	55.5	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	2.6	59.4	60.7	60.7	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	2.6	59.4	60.7	60.7	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	2.6	62.6	63.9	63.9	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	2.6	63.2	64.5	64.5	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	2.6	63.9	65.2	65.2	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	3.2	68.4	69.7	69.7	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	3.2	69.0	70.3	71.0	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	3.2	71.6	72.9	73.6	76.8	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	3.2	72.9	74.2	74.8	78.1	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	3.2	73.6	74.8	75.5	79.4	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	3.2	74.2	75.5	76.1	80.0	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	3.2	74.8	76.1	76.8	80.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	3.2	74.8	76.1	76.8	80.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	3.2	76.1	77.4	78.1	81.9	81.9	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	3.2	76.8	78.1	78.7	82.6	82.6	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	3.2	76.8	80.0	80.7	84.5	84.5	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	3.2	76.8	80.0	80.7	85.2	85.2	85.8	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	3.2	76.8	80.0	80.7	85.8	85.8	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	3.2	76.8	80.0	80.7	85.8	85.8	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600	3.2	76.8	80.0	80.7	86.5	87.1	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 500	3.2	76.8	80.0	80.7	86.5	87.1	88.4	89.0	89.0	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 400	3.2	76.8	80.0	80.7	86.5	87.1	88.4	89.7	89.7	91.0	91.0	91.0	92.3	92.3	92.3	92.3
≥ 300	3.2	76.8	80.0	80.7	86.5	87.1	88.4	90.3	90.3	91.6	91.6	91.6	92.9	92.9	92.9	92.9
≥ 200	3.2	76.8	80.0	80.7	86.5	87.1	89.0	92.3	92.9	94.8	94.8	94.8	96.8	96.8	97.4	98.1
≥ 100	3.2	76.8	80.0	80.7	86.5	87.1	89.0	92.3	92.9	94.8	94.8	94.8	96.8	96.8	97.4	100.0
0	3.2	76.8	80.0	80.7	86.5	87.1	89.0	92.3	92.9	94.8	94.8	94.8	96.8	96.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH) | 13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.2	38.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	3.2	49.0	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	3.2	49.7	51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	3.2	51.0	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	3.2	51.0	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	3.2	52.3	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	3.2	58.1	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	3.2	58.1	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	3.2	60.7	62.6	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	3.2	60.7	62.6	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	3.2	61.9	63.9	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	3.2	63.2	65.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	3.2	63.2	65.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	3.2	65.2	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	3.2	67.1	70.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	3.9	71.0	74.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	3.9	72.3	76.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	3.9	72.9	76.8	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	3.9	73.6	77.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	3.9	74.2	78.1	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	3.9	74.8	79.4	82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	3.9	75.5	80.0	83.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	3.9	75.5	80.0	83.9	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	3.9	75.5	80.0	84.5	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	3.9	76.1	80.7	85.2	89.0	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	3.9	76.8	81.3	85.8	89.7	90.3	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.9	92.9
≥ 500	3.9	76.8	81.3	85.8	89.7	91.6	92.3	94.2	94.2	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 400	3.9	76.8	81.3	85.8	89.7	91.6	92.9	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 300	3.9	76.8	81.3	85.8	89.7	91.6	92.9	94.8	94.8	96.1	96.1	96.1	96.8	96.8	97.4	97.4
≥ 200	3.9	76.8	81.3	85.8	89.7	91.6	92.9	94.8	94.8	96.1	96.8	96.8	99.4	99.4	100.0	100.0
≥ 100	3.9	76.8	81.3	85.8	89.7	91.6	92.9	94.8	94.8	96.1	96.8	96.8	99.4	99.4	100.0	100.0
0	3.9	76.8	81.3	85.8	89.7	91.6	92.9	94.8	94.8	96.1	96.8	96.8	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAR (MONTH) 16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	34.8	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 20000	1.9	50.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	1.9	50.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	1.9	51.6	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	1.9	52.9	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	1.9	54.2	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	1.9	57.4	58.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	1.9	57.4	58.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	1.9	61.3	62.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	1.9	62.6	63.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	1.9	63.2	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	2.6	64.5	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	2.6	67.1	69.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	2.6	69.0	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	2.6	70.3	72.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	3.2	74.8	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	3.2	76.1	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	3.2	76.1	78.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	3.2	76.8	79.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	3.2	77.4	80.0	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5
≥ 1200	3.2	77.4	80.0	83.2	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8
≥ 1000	3.2	78.1	81.3	84.5	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1
≥ 900	3.2	78.7	82.6	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0
≥ 800	3.2	78.7	82.6	85.8	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.7	89.7	89.7	89.7
≥ 700	3.2	78.7	82.6	87.1	89.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9
≥ 600	3.2	79.4	83.2	87.7	90.3	91.6	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
≥ 500	3.2	79.4	83.2	87.7	90.3	91.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2
≥ 400	3.2	79.4	83.2	87.7	90.3	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.8	94.8	95.5	95.5
≥ 300	3.2	79.4	83.2	87.7	90.3	91.6	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	96.1	96.8
≥ 200	3.2	79.4	83.2	87.7	90.3	91.6	93.6	94.8	94.8	95.5	95.5	95.5	97.4	97.4	98.1	99.4
≥ 100	3.2	79.4	83.2	87.7	90.3	91.6	93.6	94.8	94.8	95.5	95.5	95.5	97.4	97.4	98.1	100.0
0	3.2	79.4	83.2	87.7	90.3	91.6	93.6	94.8	94.8	95.5	95.5	95.5	97.4	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19 HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	42.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.5
≥ 20000	.7	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	56.1
≥ 18000	.7	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	56.1
≥ 16000	.7	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	56.1
≥ 14000	.7	54.2	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4
≥ 12000	.7	56.8	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	60.0
≥ 10000	.7	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.6
≥ 9000	.7	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.6
≥ 8000	.7	63.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	67.1
≥ 7000	.7	63.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	67.1
≥ 6000	.7	63.9	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.7
≥ 5000	.7	65.2	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7
≥ 4500	.7	68.4	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9
≥ 4000	.7	72.3	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.8
≥ 3500	.7	73.6	76.1	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1
≥ 3000	.7	76.1	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3
≥ 2500	.7	77.4	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5
≥ 2000	.7	78.1	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8
≥ 1800	.7	78.1	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8
≥ 1500	.7	78.1	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8
≥ 1200	.7	78.1	83.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.5
≥ 1000	.7	78.1	83.9	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1
≥ 900	.7	78.1	83.9	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1
≥ 800	.7	79.4	85.2	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0
≥ 700	.7	80.0	85.8	87.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	91.0
≥ 600	.7	80.0	85.8	88.4	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6
≥ 500	.7	80.0	85.8	88.4	91.0	91.0	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	93.6
≥ 400	.7	80.0	85.8	88.4	91.6	91.6	92.9	93.6	93.6	94.2	94.2	94.2	94.8	94.8	94.8	95.5
≥ 300	.7	80.7	86.5	89.0	92.3	92.3	93.6	94.2	94.2	95.5	95.5	95.5	96.1	96.1	96.1	96.8
≥ 200	.7	80.7	86.5	89.0	92.3	92.3	93.6	94.2	94.2	95.5	96.1	96.1	96.8	96.8	96.8	97.4
≥ 100	.7	80.7	86.5	89.0	92.3	92.3	93.6	94.2	94.2	96.1	96.8	96.8	98.1	98.1	98.7	99.4
≥ 0	.7	80.7	86.5	89.0	92.3	92.3	93.6	94.2	94.2	96.1	96.8	96.8	98.1	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAR (MONTH)

22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000		56.8	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000		56.8	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		56.8	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		56.8	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		58.1	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		63.9	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000		63.9	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000		71.0	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 7000		71.6	73.6	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000		71.6	73.6	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000		72.3	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500		73.6	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000		74.8	77.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500		76.1	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000		76.1	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500		78.1	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000		78.7	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800		79.4	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500		80.0	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200		80.7	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000		81.3	85.2	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900		81.3	85.2	89.0	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800		81.3	85.2	89.0	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700		81.3	85.2	89.0	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600		81.3	86.5	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500		81.3	86.5	92.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400		81.3	86.5	92.3	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300		81.3	86.5	92.3	92.9	93.6	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200		81.3	86.5	92.3	92.9	93.6	94.8	96.1	96.1	96.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 100		81.3	86.5	92.3	92.9	93.6	94.8	96.1	96.1	96.8	96.8	96.8	98.1	98.7	98.7	99.4
0		81.3	86.5	92.3	92.9	93.6	94.8	96.1	96.1	96.8	96.8	96.8	98.1	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAR (MONTH) ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.2	42.4	43.3	43.9	44.1	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.6
≥ 20000	1.2	51.1	52.2	53.1	53.6	53.6	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2
< 20000 ≥ 18000	1.2	51.3	52.3	53.2	53.7	53.8	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.4
< 18000 ≥ 16000	1.2	51.7	52.7	53.6	54.1	54.2	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.8
< 16000 ≥ 14000	1.2	52.0	53.2	54.0	54.5	54.6	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.2
< 14000 ≥ 12000	1.2	53.4	54.5	55.4	56.0	56.1	56.2	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6
< 12000 ≥ 10000	1.2	58.2	59.8	60.7	61.5	61.5	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.2
< 10000 ≥ 9000	1.2	58.2	59.8	60.8	61.5	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.3
< 9000 ≥ 8000	1.2	62.2	63.8	65.0	66.0	66.1	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.7
< 8000 ≥ 7000	1.2	62.6	64.2	65.4	66.4	66.5	66.6	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.1
< 7000 ≥ 6000	1.2	63.2	64.8	66.0	66.9	67.0	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.7
< 6000 ≥ 5000	1.4	64.7	66.6	67.8	68.9	69.0	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7
< 5000 ≥ 4500	1.4	66.7	68.8	70.1	71.2	71.4	71.5	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	72.0
< 4500 ≥ 4000	1.4	69.0	71.1	72.4	73.6	73.8	74.0	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.5
< 4000 ≥ 3500	1.4	70.2	72.4	73.8	75.0	75.2	75.4	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	76.0
< 3500 ≥ 3000	1.5	72.4	75.0	76.6	77.9	78.1	78.3	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	79.0
< 3000 ≥ 2500	1.5	73.9	76.7	78.5	79.8	79.9	80.2	80.3	80.3	80.6	80.7	80.7	80.7	80.7	80.7	80.9
< 2500 ≥ 2000	1.5	74.3	77.4	79.3	80.7	80.9	81.2	81.4	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.9
< 2000 ≥ 1800	1.5	74.7	77.9	79.8	81.2	81.4	81.7	81.9	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.4
< 1800 ≥ 1500	1.5	75.5	78.7	80.7	82.2	82.3	82.7	82.8	82.8	83.2	83.2	83.2	83.3	83.3	83.3	83.6
< 1500 ≥ 1200	1.5	75.8	79.2	81.4	83.2	83.4	83.8	84.0	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.7
< 1200 ≥ 1000	1.5	76.4	80.5	83.0	85.0	85.2	85.7	85.9	85.9	86.2	86.3	86.3	86.4	86.4	86.4	86.6
< 1000 ≥ 900	1.5	76.5	80.8	83.6	85.8	86.1	86.6	86.9	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.6
< 900 ≥ 800	1.5	76.7	81.1	84.0	86.6	86.9	87.4	87.7	87.7	88.0	88.1	88.1	88.2	88.2	88.2	88.4
< 800 ≥ 700	1.5	76.9	81.2	84.5	87.4	87.8	88.6	88.9	88.9	89.3	89.4	89.4	89.4	89.4	89.4	89.7
< 700 ≥ 600	1.5	77.1	81.7	85.2	88.2	88.8	89.6	89.9	89.9	90.3	90.4	90.4	90.5	90.5	90.6	90.8
< 600 ≥ 500	1.5	77.3	81.9	85.6	88.6	89.4	90.5	90.9	90.9	91.5	91.6	91.6	91.8	91.8	91.9	92.2
< 500 ≥ 400	1.5	77.3	81.9	85.7	89.1	89.9	91.1	91.8	91.8	92.5	92.6	92.6	93.1	93.1	93.3	93.6
< 400 ≥ 300	1.5	77.4	82.0	85.8	89.2	90.0	91.4	92.2	92.2	93.2	93.3	93.4	94.0	94.0	94.3	94.6
< 300 ≥ 200	1.5	77.4	82.0	85.9	89.3	90.2	91.7	93.0	93.1	94.4	94.8	94.9	96.2	96.4	96.8	97.3
< 200 ≥ 100	1.5	77.4	82.0	85.9	89.3	90.2	91.7	93.0	93.1	94.5	95.1	95.2	96.8	97.0	97.8	99.2
< 100 0	1.5	77.4	82.0	85.9	89.3	90.2	91.7	93.0	93.1	94.5	95.1	95.2	96.8	97.0	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH) | 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		56.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000		65.3	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 18000		65.3	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 16000		65.3	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 14000		65.3	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000		66.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000		72.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 9000		73.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000		78.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 7000		78.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000		79.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000		81.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500		82.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000		85.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500		86.0	90.0	90.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000		86.7	91.3	91.3	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500		87.3	92.0	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000		87.3	92.0	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800		88.0	92.7	92.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500		88.7	94.0	94.0	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		89.3	94.7	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000		90.0	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900		90.0	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		90.0	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700		90.0	95.3	95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600		90.7	96.0	96.0	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500		90.7	96.0	96.0	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400		90.7	96.0	96.0	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		90.7	96.0	96.0	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		90.7	96.0	96.0	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		90.7	96.0	96.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
0		90.7	96.0	96.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) APR (MONTH) 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		58.7	61.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000		62.0	64.7	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000		62.0	64.7	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000		62.0	64.7	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000		62.7	65.3	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000		63.3	66.0	66.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000		69.3	72.7	73.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000		69.3	72.7	73.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000		74.0	77.3	78.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000		74.7	78.0	78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000		75.3	78.7	79.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000		77.3	80.7	81.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500		78.0	81.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000		81.3	84.7	85.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500		82.7	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000		84.0	87.3	88.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500		85.3	88.7	89.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000		85.3	88.7	89.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800		85.3	88.7	89.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500		85.3	89.3	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200		86.0	90.7	91.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000		86.0	92.0	92.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900		86.0	92.0	92.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800		86.7	92.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700		86.7	92.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600		87.3	93.3	94.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3
≥ 500		87.3	94.0	94.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0
≥ 400		87.3	94.0	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
≥ 300		87.3	94.0	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
≥ 200		87.3	94.0	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	99.3	99.3
≥ 100		87.3	94.0	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	99.3	100.0
≥ 0		87.3	94.0	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721	PATUXENT RIVER, MARYLAND	73-77	APR	07
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		55.3	56.7	56.7	57.3	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		61.3	64.0	64.0	64.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000		61.3	64.0	64.0	64.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000		61.3	64.0	64.0	64.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000		61.3	64.0	64.0	64.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000		63.3	66.0	66.0	66.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000		66.7	69.3	69.3	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000		68.7	71.3	71.3	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000		72.7	75.3	75.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000		74.7	77.3	77.3	78.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000		77.3	80.0	80.0	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000		77.3	80.0	80.0	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500		78.7	81.3	81.3	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000		82.0	84.7	84.7	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500		82.0	84.7	84.7	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000		83.3	86.0	86.7	88.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500		84.0	86.7	88.0	89.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000		84.0	87.3	88.7	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800		84.7	88.0	89.3	90.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500		85.3	88.7	90.0	91.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200		85.3	89.3	91.3	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000		86.7	90.7	92.7	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900		86.7	90.7	92.7	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800		86.7	90.7	92.7	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700		86.7	90.7	92.7	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600		86.7	91.3	93.3	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500		87.3	92.0	94.0	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400		87.3	92.0	94.0	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300		87.3	92.0	94.0	96.0	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	99.3
≥ 200		87.3	92.0	94.0	96.0	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	99.3
≥ 100		87.3	92.0	94.0	96.0	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	99.3	100.0
0		87.3	92.0	94.0	96.0	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) APR (MONTH)

10 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	56.7	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	2.7	62.7	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	2.7	62.7	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	2.7	62.7	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	2.7	63.3	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000	2.7	65.3	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	2.7	70.7	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	2.7	71.3	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	2.7	76.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	2.7	76.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	2.7	78.0	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	2.7	80.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	2.7	81.3	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	2.7	84.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	2.7	84.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	2.7	86.0	87.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	2.7	86.7	88.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	3.3	87.3	88.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	3.3	87.3	88.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	3.3	88.0	89.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200	3.3	90.0	91.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	3.3	90.0	91.3	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	3.3	90.0	91.3	94.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	3.3	90.0	91.3	94.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	3.3	90.7	92.0	94.7	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	3.3	91.3	92.7	95.3	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	3.3	91.3	92.7	95.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	3.3	91.3	92.7	95.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	3.3	91.3	93.3	96.0	97.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.3	91.3	93.3	96.0	97.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.3	91.3	93.3	96.0	97.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	3.3	91.3	93.3	96.0	97.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	52.7	53.3	53.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	2.7	60.7	61.3	62.0	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	2.7	60.7	61.3	62.0	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	2.7	60.7	61.3	62.0	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	2.7	61.3	62.0	62.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	2.7	64.0	64.7	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	2.7	67.3	68.0	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000	2.7	68.7	69.3	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	2.7	70.7	71.3	72.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	2.7	71.3	72.0	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	2.7	72.7	73.3	74.0	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	2.7	74.7	76.0	76.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	2.7	76.7	78.0	78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	2.7	80.7	82.0	82.7	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	2.7	82.7	84.0	84.7	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	3.3	85.3	86.7	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	3.3	87.3	88.7	90.0	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	3.3	88.0	89.3	91.3	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	3.3	88.7	90.0	92.0	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	3.3	89.3	90.7	92.7	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	3.3	90.0	91.3	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	3.3	90.0	91.3	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	3.3	90.7	92.0	94.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	3.3	90.7	92.7	94.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	3.3	90.7	92.7	95.3	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	3.3	90.7	92.7	95.3	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	3.3	90.7	92.7	95.3	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	3.3	90.7	92.7	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	3.3	90.7	92.7	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.3	90.7	92.7	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.3	90.7	92.7	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	3.3	90.7	92.7	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH) | 16 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	47.3	48.0	48.0	48.0	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	3.3	55.3	56.7	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	3.3	55.3	56.7	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	3.3	55.3	56.7	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	3.3	55.3	56.7	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	3.3	58.7	60.7	61.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000	3.3	61.3	63.3	64.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	3.3	62.0	64.0	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	3.3	66.7	68.7	69.3	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	3.3	66.7	68.7	69.3	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	3.3	66.7	68.7	69.3	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	3.3	68.0	70.0	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	3.3	70.7	72.7	73.3	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	3.3	78.0	80.0	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	3.3	79.3	81.3	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	3.3	85.3	87.3	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	3.3	87.3	89.3	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	3.3	89.3	92.0	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	3.3	89.3	92.0	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	3.3	90.7	93.3	94.7	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	3.3	90.7	93.3	94.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	3.3	90.7	94.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	3.3	90.7	94.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	3.3	90.7	94.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	3.3	90.7	94.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	3.3	90.7	94.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	3.3	90.7	94.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	3.3	90.7	94.0	96.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	3.3	90.7	94.0	96.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200	3.3	90.7	94.0	96.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	3.3	90.7	94.0	96.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0
0	3.3	90.7	94.0	96.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	55.3	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	.7	66.7	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000	.7	66.7	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000	.7	66.7	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000	.7	66.7	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000	.7	67.3	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 10000	.7	72.0	74.0	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	.7	72.7	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	.7	74.7	76.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	.7	75.3	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	.7	76.0	78.0	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	.7	76.7	78.7	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	.7	78.0	80.0	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	.7	82.0	84.0	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	.7	82.0	84.0	84.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	.7	84.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	.7	84.7	86.7	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	.7	86.0	88.0	89.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	.7	86.0	88.0	89.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	.7	87.3	90.7	92.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	.7	88.7	92.0	93.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	.7	88.7	92.0	93.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	.7	88.7	92.0	93.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	.7	88.7	92.7	94.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	.7	88.7	92.7	94.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	.7	88.7	92.7	94.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	.7	88.7	92.7	94.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	.7	88.7	92.7	94.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	.7	88.7	92.7	94.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	.7	88.7	92.7	94.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	.7	88.7	92.7	94.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	.7	88.7	92.7	94.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	62.7	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	.7	68.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	.7	68.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	.7	68.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	.7	68.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	.7	70.0	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	.7	76.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 9000	.7	76.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000	.7	79.3	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	.7	80.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	.7	80.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	.7	81.3	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	.7	84.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	.7	86.7	88.0	88.7	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500	.7	87.3	89.3	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	.7	88.0	90.0	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	.7	88.7	90.7	92.0	92.7	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	.7	89.3	91.3	92.7	93.3	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	.7	90.0	92.0	93.3	94.0	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	.7	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	.7	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	.7	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	.7	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	.7	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	.7	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	.7	92.7	94.7	96.7	97.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	.7	93.3	95.3	97.3	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	.7	93.3	95.3	97.3	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	.7	93.3	95.3	97.3	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	.7	93.3	95.3	97.3	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	.7	93.3	95.3	97.3	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
0	.7	93.3	95.3	97.3	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.2	55.7	57.2	57.3	57.7	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	1.3	62.8	64.7	64.9	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	1.3	62.8	64.7	64.9	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000	1.3	62.8	64.7	64.9	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	1.3	63.1	64.9	65.2	65.7	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 12000	1.3	64.8	66.8	67.0	67.5	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 10000	1.3	69.5	71.7	72.0	72.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	1.3	70.3	72.4	72.8	73.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 8000	1.3	74.0	76.2	76.5	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	1.3	74.6	76.8	77.1	77.6	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	1.3	75.7	77.8	78.2	78.8	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 5000	1.3	77.2	79.4	79.8	80.3	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4500	1.3	78.8	81.0	81.3	82.0	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4000	1.3	82.6	84.8	85.3	86.0	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500	1.3	83.3	85.7	86.1	86.8	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3000	1.3	85.3	87.8	88.5	89.3	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	1.3	86.4	88.8	89.9	90.8	91.1	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	1.4	87.1	89.7	90.9	92.0	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	1.4	87.4	90.0	91.3	92.3	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	1.4	88.4	91.3	92.6	93.7	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	1.4	89.1	92.2	93.5	94.6	95.2	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	1.4	89.3	92.7	94.1	95.3	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	1.4	89.4	92.8	94.3	95.6	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	1.4	89.5	93.0	94.5	95.9	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	1.4	89.6	93.1	94.8	96.3	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	1.4	89.8	93.4	95.2	96.7	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	1.4	90.0	93.7	95.4	96.9	97.8	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 400	1.4	90.0	93.7	95.5	97.3	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 300	1.4	90.0	93.8	95.6	97.4	98.3	99.0	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.4
≥ 200	1.4	90.0	93.8	95.6	97.4	98.3	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.4	99.5
≥ 100	1.4	90.0	93.8	95.6	97.5	98.4	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.6	99.9
0	1.4	90.0	93.8	95.6	97.5	98.4	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH) | 01 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1⅓	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		51.6	55.5	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		58.7	63.9	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4
≥ 18000		58.7	63.9	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4
≥ 14000		58.7	63.9	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4
≥ 14000		59.4	64.5	67.1	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	69.0	69.0	69.0
≥ 12000		61.3	66.5	69.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0
≥ 10000		61.9	67.7	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3
≥ 9000		61.9	67.7	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3
≥ 8000		65.8	71.6	74.2	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.1	76.1
≥ 7000		66.5	72.3	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8
≥ 6000		66.5	72.3	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8
≥ 5000		67.7	73.6	76.1	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7
≥ 4500		70.3	76.1	78.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9
≥ 4000		72.3	78.1	81.3	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5	84.5	84.5
≥ 3500		72.3	79.4	82.6	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8
≥ 3000		72.9	80.0	83.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5
≥ 2500		73.6	80.7	83.9	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1
≥ 2000		74.2	81.3	85.2	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4
≥ 1800		74.8	81.9	85.8	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0
≥ 1500		75.5	82.6	86.5	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0
≥ 1200		75.5	82.6	86.5	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0
≥ 1000		75.5	82.6	87.7	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3
≥ 900		75.5	82.6	88.4	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.9	92.9	92.9
≥ 800		76.1	83.9	89.7	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.2
≥ 700		76.1	84.5	90.3	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8
≥ 600		76.8	85.2	91.0	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5	95.5
≥ 500		76.8	85.8	92.3	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8
≥ 400		76.8	85.8	92.9	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4	97.4	98.1
≥ 300		76.8	85.8	92.9	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	99.4
≥ 200		76.8	85.8	92.9	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	99.4
≥ 100		76.8	85.8	92.9	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.7	99.4	100.0
≥ 0		76.8	85.8	92.9	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH) | 04 (HOURS (L S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.1	54.2	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000		54.2	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000		54.2	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000		54.2	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000		54.2	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000		54.8	61.9	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		56.1	63.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000		57.4	65.2	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000		61.3	70.3	72.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 7000		62.6	71.6	73.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000		62.6	71.6	73.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000		63.9	72.9	74.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500		65.2	74.2	76.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000		66.5	75.5	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500		66.5	75.5	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000		67.1	78.1	80.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500		68.4	79.4	81.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000		68.4	79.4	81.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800		68.4	79.4	81.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500		69.0	80.0	82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200		70.3	81.3	83.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000		70.3	81.3	84.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900		71.0	83.2	86.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800		71.0	83.2	86.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700		71.0	83.2	86.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600		71.0	83.2	87.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500		71.0	83.9	88.4	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400		71.0	84.5	89.0	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300		71.0	84.5	89.0	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200		71.0	84.5	89.0	95.5	96.1	97.4	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 100		71.0	84.5	89.0	95.5	96.1	97.4	98.1	98.1	98.7	98.7	98.7	99.4	99.4	100.0	100.0
0		71.0	84.5	89.0	95.5	96.1	97.4	98.1	98.1	98.7	98.7	98.7	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) MAY (MONTH)

07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.4	42.6	45.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.7	47.7	47.7
≥ 20000		45.2	49.0	52.9	54.8	55.5	56.1	56.1	56.1	56.8	56.8	56.8	56.8	57.4	57.4	57.4
≥ 18000		45.2	49.0	52.9	54.8	55.5	56.1	56.1	56.1	56.8	56.8	56.8	56.8	57.4	57.4	57.4
≥ 16000		45.2	49.0	52.9	54.8	55.5	56.1	56.1	56.1	56.8	56.8	56.8	56.8	57.4	57.4	57.4
≥ 14000		45.8	49.7	53.6	55.5	56.1	56.8	56.8	56.8	57.4	57.4	57.4	57.4	58.1	58.1	58.1
≥ 12000		46.5	50.3	54.2	56.1	56.8	57.4	57.4	57.4	58.1	58.1	58.1	58.1	58.7	58.7	58.7
≥ 10000		49.0	54.2	58.1	60.0	60.7	61.3	61.3	61.3	61.9	61.9	61.9	61.9	62.6	62.6	62.6
≥ 9000		49.7	54.8	59.4	61.3	61.9	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.9	63.9	63.9
≥ 8000		53.6	60.0	65.2	67.1	67.7	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.7	69.7	69.7
≥ 7000		54.2	60.7	65.8	67.7	68.4	69.0	69.0	69.0	69.7	69.7	69.7	69.7	70.3	70.3	70.3
≥ 6000		54.2	60.7	65.8	67.7	68.4	69.0	69.0	69.0	69.7	69.7	69.7	69.7	70.3	70.3	70.3
≥ 5000		54.2	60.7	65.8	67.7	68.4	69.7	69.7	69.7	70.3	70.3	70.3	70.3	71.0	71.0	71.0
≥ 4500		55.5	61.9	67.1	69.0	70.3	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.9	72.9	72.9
≥ 4000		56.8	63.2	69.0	71.0	72.3	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.8	74.8	74.8
≥ 3500		56.8	63.2	69.0	71.0	72.3	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.8	74.8	74.8
≥ 3000		58.7	65.2	71.0	72.9	74.8	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.4	77.4	77.4
≥ 2500		59.4	65.8	71.6	73.6	75.5	76.8	76.8	76.8	77.4	77.4	77.4	77.4	78.1	78.1	78.1
≥ 2000		60.0	66.5	72.3	74.2	76.1	77.4	78.1	78.1	78.7	78.7	78.7	78.7	79.4	79.4	79.4
≥ 1800		60.0	66.5	72.3	74.2	76.1	77.4	78.1	78.1	78.7	78.7	78.7	78.7	79.4	79.4	79.4
≥ 1500		60.0	66.5	72.3	74.2	76.1	77.4	78.1	78.1	78.7	78.7	78.7	78.7	79.4	79.4	79.4
≥ 1200		61.3	67.7	73.6	76.1	78.1	79.4	80.0	80.0	80.7	80.7	80.7	80.7	81.3	81.3	81.3
≥ 1000		61.9	68.4	74.8	78.1	80.7	81.9	82.6	82.6	83.2	83.2	83.2	83.2	83.9	83.9	83.9
≥ 900		62.6	69.0	76.1	79.4	81.9	83.2	83.9	83.9	84.5	84.5	84.5	84.5	85.2	85.2	85.2
≥ 800		62.6	69.7	76.8	80.0	82.6	83.9	84.5	84.5	85.2	85.2	85.2	85.2	85.8	85.8	85.8
≥ 700		62.6	69.7	76.8	81.3	83.9	85.2	86.5	86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7
≥ 600		62.6	69.7	76.8	81.3	83.9	85.8	87.1	87.1	87.7	87.7	87.7	87.7	88.4	88.4	88.4
≥ 500		62.6	69.7	76.8	82.6	85.8	87.7	89.7	89.7	91.0	91.6	91.6	91.6	92.3	92.3	92.3
≥ 400		63.2	70.3	78.7	85.8	89.0	91.6	94.2	94.2	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 300		63.2	70.3	78.7	86.5	90.3	92.9	95.5	95.5	96.8	97.4	98.1	98.1	98.7	98.7	98.7
≥ 200		63.2	70.3	78.7	86.5	90.3	92.9	95.5	95.5	96.8	97.4	98.1	98.1	98.7	99.4	99.4
≥ 100		63.2	70.3	78.7	86.5	90.3	92.9	95.5	95.5	96.8	97.4	98.1	98.1	98.7	99.4	100.0
0		63.2	70.3	78.7	86.5	90.3	92.9	95.5	95.5	96.8	97.4	98.1	98.1	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.3	46.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000		50.3	56.1	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
AND 18000		50.3	56.1	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		50.3	56.1	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
AND 14000		51.0	56.8	59.4	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000		51.6	57.4	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
AND 10000		55.5	61.3	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000		56.1	61.9	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
AND 8000		59.4	65.2	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000		59.4	65.2	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
AND 6000		59.4	65.2	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000		60.0	65.8	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
AND 4500		61.3	67.1	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000		63.9	69.7	73.6	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
AND 3500		64.5	70.3	74.2	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000		67.7	73.6	77.4	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AND 2500		68.4	74.8	78.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000		69.0	75.5	80.0	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
AND 1800		69.0	76.1	80.7	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500		69.7	76.8	81.3	83.2	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AND 1200		69.7	78.1	83.2	85.2	85.2	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000		70.3	80.0	85.8	88.4	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
AND 900		70.3	80.0	85.8	88.4	88.4	89.0	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800		71.0	80.7	86.5	89.0	89.0	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
AND 700		71.6	81.3	87.1	89.7	91.0	92.9	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600		71.6	81.3	87.1	90.3	91.6	93.6	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AND 500		71.6	81.3	87.1	90.3	92.3	95.5	96.1	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400		71.6	81.3	87.1	90.3	92.3	95.5	96.1	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AND 300		71.6	81.3	87.1	90.3	92.3	95.5	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		71.6	81.3	87.1	90.3	92.3	95.5	96.1	96.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0
AND 100		71.6	81.3	87.1	90.3	92.3	95.5	96.1	96.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0
0		71.6	81.3	87.1	90.3	92.3	95.5	96.1	96.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		38.1	39.4	41.3	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000		48.4	50.3	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
AAN 18000		48.4	50.3	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
AAN 16000		48.4	50.3	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
AAN 14000		48.4	50.3	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
AAN 12000		49.7	51.6	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
AAN 10000		51.6	54.2	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
AAN 9000		52.3	54.8	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
AAN 8000		54.8	57.4	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
AAN 7000		54.8	57.4	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
AAN 6000		54.8	57.4	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
AAN 5000		56.1	59.4	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
AAN 4500		56.1	59.4	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
AAN 4000		60.0	63.2	69.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
AAN 3500		60.7	63.9	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
AAN 3000		71.0	75.5	81.3	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AAN 2500		71.0	76.1	81.9	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AAN 2000		71.0	76.1	82.6	85.8	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
AAN 1800		71.0	76.1	82.6	85.8	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
AAN 1500		72.9	78.7	85.2	89.0	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
AAN 1200		72.9	78.7	85.2	89.0	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
AAN 1000		72.9	78.7	85.2	89.7	90.3	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
AAN 900		73.6	79.4	85.8	90.3	91.0	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
AAN 800		73.6	80.0	87.1	91.6	92.3	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AAN 700		73.6	80.0	87.1	92.3	92.9	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AAN 600		74.2	80.7	87.7	92.9	93.6	97.4	97.4	97.4	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AAN 500		74.2	80.7	87.7	92.9	93.6	97.4	97.4	97.4	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AAN 400		74.2	80.7	87.7	92.9	93.6	97.4	97.4	97.4	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AAN 300		74.2	80.7	87.7	92.9	93.6	97.4	98.1	98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0
AAN 200		74.2	80.7	87.7	92.9	93.6	97.4	98.1	98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0
AAN 100		74.2	80.7	87.7	92.9	93.6	97.4	98.1	98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0
AAN 0		74.2	80.7	87.7	92.9	93.6	97.4	98.1	98.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.4	42.6	44.3	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000		50.3	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000		50.3	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000		50.3	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000		50.3	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000		50.3	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000		55.5	58.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000		55.5	58.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000		62.6	66.5	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000		63.9	67.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000		63.9	67.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000		64.5	69.7	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500		65.2	70.3	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000		67.7	74.2	78.7	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500		69.0	75.5	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000		74.2	81.3	85.8	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500		74.2	81.3	85.8	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000		74.2	81.3	86.5	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800		74.2	81.3	86.5	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500		75.5	82.6	89.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200		75.5	82.6	89.7	92.3	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000		75.5	82.6	89.7	92.3	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900		75.5	82.6	89.7	92.3	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800		76.1	83.2	90.3	93.6	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700		76.1	83.2	90.3	94.2	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600		76.1	83.2	90.3	94.2	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		76.1	83.2	91.0	94.8	95.5	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		76.1	83.2	91.0	95.5	96.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		76.1	83.2	91.0	95.5	96.1	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		76.1	83.2	91.0	95.5	96.1	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		76.1	83.2	91.0	95.5	96.1	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
0		76.1	83.2	91.0	95.5	96.1	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		40.7	43.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000		54.8	57.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		54.8	57.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		54.8	57.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		55.5	58.1	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000		56.8	60.0	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000		60.7	63.9	67.1	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000		60.7	63.9	67.1	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000		68.4	72.3	75.5	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000		69.7	73.6	76.8	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000		69.7	73.6	76.8	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000		69.7	73.6	77.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500		70.3	74.2	78.1	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000		71.0	75.5	79.4	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500		72.3	76.8	80.7	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000		76.1	80.7	84.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500		76.1	81.3	85.8	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000		76.1	81.3	85.8	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800		76.1	81.3	85.8	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500		76.1	81.3	87.1	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200		77.4	82.6	88.4	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000		77.4	82.6	88.4	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900		77.4	82.6	88.4	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800		78.1	83.2	89.7	93.6	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700		78.1	83.9	90.3	94.2	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600		78.1	83.9	90.3	94.2	95.5	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		78.1	83.9	90.3	94.2	95.5	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400		78.1	83.9	90.3	94.2	95.5	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		78.1	83.9	90.3	94.2	95.5	97.4	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		78.1	83.9	90.3	94.2	95.5	97.4	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		78.1	83.9	90.3	94.2	95.5	97.4	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		78.1	83.9	90.3	94.2	95.5	97.4	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH) | 22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		48.4	53.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000		53.6	58.7	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000		53.6	58.7	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000		53.6	58.7	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000		54.2	59.4	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		56.8	61.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000		61.9	67.1	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000		61.9	67.1	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000		66.5	72.3	75.5	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000		67.7	73.6	76.8	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000		67.7	73.6	76.8	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000		68.4	74.8	78.1	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500		70.3	76.8	80.0	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000		71.6	78.1	81.3	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500		71.6	78.1	81.3	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000		73.6	81.3	84.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500		73.6	81.9	85.8	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000		73.6	82.6	87.1	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800		73.6	82.6	87.1	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500		75.5	84.5	89.0	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200		75.5	84.5	89.7	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000		75.5	84.5	89.7	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900		76.1	85.8	91.0	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800		76.1	85.8	91.0	94.2	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700		76.1	85.8	91.6	94.8	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600		76.1	86.5	92.3	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		76.1	86.5	92.3	96.8	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		76.1	86.5	92.3	96.8	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		76.1	86.5	92.3	96.8	97.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		76.1	86.5	92.3	96.8	97.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		76.1	86.5	92.3	96.8	97.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		76.1	86.5	92.3	96.8	97.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | MAY (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.2	47.2	49.4	49.8	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.1	50.1
≥ 20000		51.9	56.3	59.0	59.8	59.9	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5
≥ 18000		51.9	56.3	59.0	59.8	59.9	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5
≥ 16000		51.9	56.3	59.0	59.8	59.9	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5
≥ 14000		52.3	56.7	59.4	60.2	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9	60.9
≥ 12000		53.5	57.9	60.7	61.5	61.6	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.2	62.2	62.2
≥ 10000		56.5	61.4	64.3	65.1	65.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.9	65.9	65.9
≥ 9000		56.9	61.8	64.8	65.7	65.8	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.5	66.5	66.5
≥ 8000		61.5	66.9	70.3	71.5	71.7	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.3	72.3	72.3
≥ 7000		62.3	67.7	71.1	72.4	72.6	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2
≥ 6000		62.5	67.7	71.1	72.4	72.6	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2
≥ 5000		63.1	68.8	72.4	73.8	74.0	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.7	74.7	74.7
≥ 4500		64.3	70.0	73.6	75.1	75.3	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1
≥ 4000		66.2	72.2	76.2	77.7	78.0	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.9	78.9	78.9
≥ 3500		66.7	72.8	76.9	78.4	78.6	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.5	79.5	79.5
≥ 3000		70.2	76.9	81.0	82.8	83.2	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2	84.2	84.2
≥ 2500		70.6	77.7	81.9	83.8	84.2	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.2	85.2	85.2
≥ 2000		70.8	78.0	82.7	84.8	85.2	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.4	86.4	86.4
≥ 1800		70.9	78.2	82.8	85.0	85.5	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.6	86.6	86.6
≥ 1500		71.8	79.1	84.1	86.6	87.2	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.4	88.4	88.4
≥ 1200		72.3	79.8	85.0	87.6	88.2	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.6	89.6	89.6
≥ 1000		72.4	80.1	85.7	89.0	89.8	90.8	90.9	90.9	91.1	91.1	91.1	91.1	91.3	91.3	91.3
≥ 900		72.7	80.7	86.5	89.7	90.5	91.5	91.7	91.7	91.9	91.9	91.9	91.9	92.1	92.1	92.1
≥ 800		73.1	81.2	87.2	90.5	91.3	92.5	92.8	92.8	93.2	93.2	93.2	93.2	93.3	93.3	93.3
≥ 700		73.2	81.5	87.5	91.2	92.2	93.6	94.0	94.0	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 600		73.3	81.7	87.8	91.8	92.7	94.3	94.7	94.7	95.2	95.2	95.2	95.2	95.4	95.4	95.4
≥ 500		73.3	81.9	88.2	92.3	93.6	95.5	96.0	96.0	96.8	96.9	96.9	96.9	97.1	97.1	97.1
≥ 400		73.4	82.0	88.6	93.3	94.5	96.6	97.3	97.3	98.1	98.2	98.2	98.2	98.4	98.4	98.5
≥ 300		73.4	82.0	88.6	93.4	94.7	96.9	97.8	97.8	98.8	99.0	99.0	99.1	99.3	99.3	99.4
≥ 200		73.4	82.0	88.6	93.4	94.7	96.9	97.8	97.8	99.0	99.1	99.2	99.4	99.6	99.7	99.8
≥ 100		73.4	82.0	88.6	93.4	94.7	96.9	97.8	97.8	99.0	99.1	99.2	99.4	99.6	99.8	100.0
0		73.4	82.0	88.6	93.4	94.7	96.9	97.8	97.8	99.0	99.1	99.2	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

01 (HOURS L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		38.7	46.7	49.3	52.0	52.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000		48.0	57.3	60.7	64.0	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000		48.0	57.3	60.7	64.0	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000		48.0	57.3	60.7	64.0	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000		48.7	58.0	61.3	64.7	65.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000		49.3	58.7	62.0	65.3	66.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000		52.0	61.3	65.3	68.7	69.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000		52.0	61.3	65.3	68.7	69.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		54.7	65.3	70.0	73.3	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000		54.7	65.3	70.0	73.3	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000		54.7	65.3	70.0	73.3	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000		54.7	65.3	70.0	73.3	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500		56.7	67.3	72.0	75.3	76.0	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000		60.0	70.7	76.0	80.0	80.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500		60.0	70.7	76.0	80.0	80.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000		62.0	73.3	78.7	82.7	83.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500		62.7	74.0	80.0	84.0	84.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000		63.3	75.3	81.3	85.3	86.0	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800		64.0	76.0	82.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500		66.0	78.0	84.0	88.7	89.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200		66.0	79.3	85.3	90.0	90.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000		68.0	81.3	88.7	94.0	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900		68.0	81.3	88.7	94.0	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		68.0	81.3	88.7	94.0	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700		68.0	81.3	88.7	94.0	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600		68.0	81.3	88.7	94.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500		68.7	82.7	90.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		68.7	82.7	90.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		68.7	82.7	91.3	97.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		68.7	82.7	91.3	97.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		68.7	82.7	91.3	97.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		68.7	82.7	91.3	97.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUN (MONTH)

04 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		37.3	42.0	45.3	49.3	49.3	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000		42.0	46.7	50.7	56.7	56.7	58.0	58.0	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000		42.0	46.7	50.7	56.7	56.7	58.0	58.0	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 16000		42.0	46.7	50.7	56.7	56.7	58.0	58.0	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 14000		42.0	47.3	51.3	57.3	57.3	58.7	58.7	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000		42.7	48.0	52.0	58.0	58.0	59.3	59.3	59.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		46.0	52.0	56.0	62.7	62.7	64.0	64.0	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000		46.0	52.0	56.0	62.7	62.7	64.0	64.7	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000		51.3	59.3	64.7	72.0	72.0	73.3	74.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000		52.0	60.0	65.3	72.7	72.7	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000		52.0	60.0	65.3	72.7	72.7	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000		52.0	60.0	65.3	72.7	72.7	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500		53.3	61.3	66.7	74.0	74.0	75.3	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000		54.0	62.0	67.3	74.7	74.7	76.0	76.7	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500		54.7	62.7	68.0	75.3	75.3	76.7	77.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000		57.3	67.3	72.7	80.0	80.0	81.3	82.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500		58.0	68.0	73.3	81.3	81.3	83.3	84.0	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000		59.3	69.3	75.3	84.0	84.0	86.0	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800		59.3	69.3	75.3	84.0	84.0	86.0	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500		60.7	71.3	77.3	87.3	87.3	89.3	90.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200		61.3	72.0	78.7	88.7	88.7	90.7	91.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000		62.7	73.3	80.7	90.7	90.7	92.7	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900		62.7	73.3	80.7	90.7	90.7	92.7	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800		63.3	74.7	82.0	92.0	92.0	94.0	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700		63.3	74.7	82.0	92.7	92.7	94.7	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600		63.3	74.7	82.7	93.3	93.3	95.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500		63.3	74.7	82.7	94.0	94.0	96.0	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400		63.3	74.7	82.7	94.7	94.7	96.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		63.3	74.7	82.7	95.3	96.0	98.0	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		63.3	74.7	82.7	95.3	96.0	98.0	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		63.3	74.7	82.7	95.3	96.0	98.0	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		63.3	74.7	82.7	95.3	96.0	98.0	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH) | 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.3	41.3	44.0	45.3	46.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000		38.7	46.7	50.7	53.3	54.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000		38.7	46.7	50.7	53.3	54.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000		38.7	46.7	50.7	53.3	54.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000		39.3	47.3	51.3	54.0	55.3	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000		39.3	47.3	51.3	54.0	55.3	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000		43.3	51.3	56.7	59.3	60.7	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000		43.3	51.3	56.7	59.3	60.7	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000		47.3	56.0	61.3	64.7	66.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000		48.0	57.3	62.7	66.0	67.3	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000		48.7	58.0	63.3	66.7	68.0	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000		48.7	58.0	63.3	66.7	68.0	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500		50.0	59.3	64.7	68.0	69.3	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000		50.0	59.3	65.3	70.0	71.3	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500		50.0	59.3	65.3	70.0	71.3	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000		51.3	60.7	68.0	72.7	74.0	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500		52.0	61.3	68.7	73.3	74.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000		54.0	64.7	72.7	77.3	78.7	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800		54.0	64.7	72.7	77.3	78.7	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500		56.7	67.3	76.0	80.7	82.0	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200		56.7	67.3	76.0	80.7	82.0	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000		57.3	68.0	76.7	82.7	84.0	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 900		58.0	68.7	77.3	83.3	84.7	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800		59.3	70.7	79.3	86.0	88.0	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700		60.0	71.3	80.0	87.3	89.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600		60.7	72.0	80.7	88.0	90.0	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500		60.7	72.7	81.3	90.0	92.7	96.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		60.7	72.7	81.3	90.0	92.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		60.7	72.7	81.3	90.0	92.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		60.7	72.7	81.3	90.0	92.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		60.7	72.7	81.3	90.0	92.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0		60.7	72.7	81.3	90.0	92.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		37.3	39.3	41.3	42.7	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000		44.0	46.7	48.7	50.7	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000		44.0	46.7	48.7	50.7	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000		44.0	46.7	48.7	50.7	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000		44.7	47.3	49.3	51.3	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000		45.3	48.7	50.7	52.7	53.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000		48.7	52.0	54.0	56.0	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 9000		48.7	52.0	54.0	56.0	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000		54.0	59.3	61.3	64.0	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000		55.3	60.7	62.7	65.3	66.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 6000		56.0	62.0	64.0	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000		56.0	62.0	64.0	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500		56.7	62.7	64.7	67.3	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4000		60.7	67.3	69.3	72.0	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500		60.7	67.3	69.3	72.0	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3000		62.0	68.7	70.7	74.0	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500		64.0	70.7	72.7	76.7	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000		66.0	72.7	74.7	79.3	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800		66.0	72.7	74.7	80.0	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500		68.0	76.0	78.0	84.0	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200		69.3	78.0	80.7	86.7	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000		72.0	80.7	84.0	90.0	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900		72.0	81.3	85.3	91.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800		72.0	81.3	85.3	91.3	94.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3
≥ 700		72.0	81.3	85.3	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 600		72.0	81.3	85.3	92.0	95.3	97.3	97.3	97.3	97.3	98.0	98.0	98.7	98.7	98.7	98.7
≥ 500		72.0	81.3	86.0	92.7	96.0	98.7	98.7	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 400		72.0	81.3	86.0	92.7	96.0	98.7	98.7	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 300		72.0	81.3	86.0	92.7	96.0	98.7	98.7	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200		72.0	81.3	86.0	92.7	96.0	98.7	98.7	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100		72.0	81.3	86.0	92.7	96.0	98.7	98.7	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0		72.0	81.3	86.0	92.7	96.0	98.7	98.7	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		38.0	41.3	43.3	44.7	45.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000		44.7	50.7	54.0	55.3	56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000		44.7	50.7	54.0	55.3	56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000		44.7	50.7	54.0	55.3	56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000		44.7	50.7	54.0	55.3	56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000		46.0	52.0	55.3	56.7	57.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000		50.0	56.0	59.3	60.7	61.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000		50.0	56.0	59.3	60.7	61.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000		56.7	64.7	68.0	70.0	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000		56.7	64.7	68.0	70.0	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000		56.7	64.7	68.0	70.0	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000		56.7	64.7	68.0	70.0	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500		56.7	64.7	68.0	70.0	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000		58.0	66.7	70.0	72.7	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500		59.3	68.0	71.3	74.0	74.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000		64.7	74.0	77.3	80.0	80.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500		67.3	76.7	80.0	83.3	84.0	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000		70.0	80.0	84.0	88.0	88.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800		70.7	80.7	84.7	88.7	89.3	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500		71.3	81.3	85.3	90.0	90.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200		71.3	81.3	85.3	90.0	90.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000		71.3	82.0	86.7	92.0	92.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		71.3	82.0	86.7	92.0	92.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		71.3	82.0	86.7	92.7	93.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		71.3	82.0	86.7	92.7	93.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600		71.3	82.0	86.7	92.7	93.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		71.3	82.0	86.7	92.7	93.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		71.3	82.0	87.3	93.3	94.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		71.3	82.0	87.3	93.3	94.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		71.3	82.0	87.3	93.3	94.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		71.3	82.0	87.3	93.3	94.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		71.3	82.0	87.3	93.3	94.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		37.3	40.7	42.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000		48.7	54.7	58.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
AVA 18000		48.7	54.7	58.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
AVA 16000		48.7	54.7	58.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
AVA 14000		48.7	54.7	58.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
AVA 12000		50.0	56.0	60.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
AVA 10000		52.7	59.3	63.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
AVA 9000		54.0	60.7	64.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
AVA 8000		57.3	64.7	69.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
AVA 7000		57.3	64.7	69.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
AVA 6000		58.0	65.3	70.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
AVA 5000		59.3	66.7	71.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
AVA 4500		60.7	68.0	72.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AVA 4000		62.7	70.0	75.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
AVA 3500		64.0	72.0	77.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
AVA 3000		68.7	76.7	82.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
AVA 2500		68.7	77.3	84.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
AVA 2000		69.3	78.0	84.7	90.7	90.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
AVA 1800		70.0	78.7	85.3	91.3	91.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
AVA 1500		70.7	79.3	87.3	93.3	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AVA 1200		70.7	79.3	87.3	93.3	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AVA 1000		70.7	79.3	88.0	94.7	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
AVA 900		70.7	79.3	88.7	95.3	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AVA 800		72.7	81.3	90.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AVA 700		72.7	81.3	90.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AVA 600		72.7	81.3	90.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AVA 500		72.7	81.3	90.7	97.3	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVA 400		72.7	81.3	90.7	97.3	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVA 300		72.7	81.3	90.7	97.3	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVA 200		72.7	81.3	90.7	97.3	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVA 100		72.7	81.3	90.7	97.3	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AVA 0		72.7	81.3	90.7	97.3	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH) | 19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.0	48.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000		50.7	59.3	62.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000		50.7	59.3	62.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000		50.7	59.3	62.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000		50.7	59.3	62.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000		52.0	60.7	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000		56.7	66.0	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000		56.7	66.0	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000		61.3	72.0	76.0	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000		63.3	74.0	78.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000		63.3	74.0	78.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000		64.0	74.7	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500		66.7	77.3	81.3	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000		68.7	80.0	84.7	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500		70.0	81.3	86.0	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000		71.3	82.7	87.3	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500		71.3	82.7	87.3	89.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000		74.0	85.3	90.7	92.7	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800		74.0	85.3	90.7	92.7	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500		74.0	85.3	91.3	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200		74.0	85.3	91.3	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000		74.7	86.0	92.0	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900		74.7	86.0	92.0	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		75.3	87.3	93.3	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		75.3	88.0	94.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		75.3	88.7	95.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		75.3	88.7	95.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		75.3	88.7	95.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		75.3	88.7	95.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		75.3	88.7	95.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		75.3	88.7	95.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		75.3	88.7	95.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH) | 22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.7	55.3	58.0	58.7	59.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000		51.3	61.3	64.7	65.3	66.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000		51.3	61.3	64.7	65.3	66.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000		51.3	61.3	64.7	65.3	66.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000		52.7	62.7	66.0	66.7	67.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000		53.3	63.3	66.7	67.3	68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000		56.0	66.7	70.0	70.7	71.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000		56.7	67.3	70.7	71.3	72.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000		60.0	72.7	76.7	77.3	78.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000		60.7	73.3	77.3	78.0	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000		60.7	73.3	77.3	78.0	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000		62.0	74.7	79.3	80.0	80.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500		62.0	74.7	79.3	80.0	80.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000		64.0	76.7	83.3	84.0	84.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500		64.0	76.7	83.3	84.0	84.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000		64.7	77.3	84.7	85.3	86.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500		66.7	79.3	86.7	87.3	88.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000		67.3	80.0	87.3	88.0	88.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800		67.3	80.0	87.3	88.0	88.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500		70.0	83.3	91.3	92.0	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		70.0	83.3	91.3	92.0	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000		71.3	84.7	92.7	93.3	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900		71.3	84.7	92.7	93.3	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		71.3	85.3	93.3	94.0	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700		71.3	85.3	93.3	94.0	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600		71.3	85.3	93.3	94.0	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500		72.0	86.0	94.0	94.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400		72.0	86.0	94.7	95.3	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		72.0	86.0	95.3	96.0	96.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200		72.0	86.0	95.3	96.0	96.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100		72.0	86.0	95.3	96.0	96.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0
0		72.0	86.0	95.3	96.0	96.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUN (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.1	44.3	46.8	48.7	49.2	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000		46.0	52.9	56.3	59.1	59.7	61.0	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 18000		46.0	52.9	56.3	59.1	59.7	61.0	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000		46.0	52.9	56.3	59.1	59.7	61.0	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000		46.4	53.4	56.8	59.6	60.2	61.5	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000		47.3	54.3	57.8	60.6	61.2	62.5	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 10000		50.7	58.1	61.8	64.7	65.3	66.8	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 9000		50.9	58.3	62.1	64.9	65.5	67.0	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 8000		55.3	64.3	68.4	71.6	72.2	73.7	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000		56.0	65.0	69.2	72.3	72.9	74.4	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000		56.3	65.3	69.5	72.7	73.3	74.8	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000		56.7	65.8	70.0	73.2	73.8	75.3	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4500		57.8	66.9	71.2	74.3	74.9	76.5	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000		59.8	69.1	73.9	77.6	78.2	79.8	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3500		60.3	69.8	74.6	78.3	78.8	80.5	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000		62.8	72.6	77.8	81.5	82.1	83.8	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500		63.8	73.8	79.1	83.2	83.8	85.7	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000		65.4	75.7	81.3	85.7	86.3	88.3	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800		65.7	75.9	81.6	86.0	86.6	88.7	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500		67.2	77.8	83.8	88.8	89.3	91.4	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200		67.4	78.3	84.5	89.4	90.2	92.3	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000		68.5	79.4	86.2	91.5	92.4	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900		68.6	79.6	86.5	91.8	92.8	95.0	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800		69.2	80.5	87.4	92.9	93.9	96.3	96.8	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 700		69.3	80.7	87.7	93.4	94.4	96.8	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6
≥ 600		69.3	80.8	87.9	93.8	94.8	97.2	97.8	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.2
≥ 500		69.5	81.2	88.3	94.4	95.5	98.1	98.7	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1
≥ 400		69.5	81.2	88.5	94.7	95.8	98.4	99.0	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5
≥ 300		69.5	81.2	88.8	95.0	96.2	98.8	99.4	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
≥ 200		69.5	81.2	88.8	95.0	96.2	98.8	99.4	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100		69.5	81.2	88.8	95.0	96.2	98.8	99.4	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0
0		69.5	81.2	88.8	95.0	96.2	98.8	99.4	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUL (MONTH)

01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.4	49.7	55.5	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000		45.2	57.4	66.5	68.4	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6
≥ 18000		45.2	57.4	66.5	68.4	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6
≥ 16000		45.2	57.4	66.5	68.4	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6
≥ 14000		45.2	57.4	66.5	68.4	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6
≥ 12000		45.8	58.1	67.1	69.7	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9
≥ 10000		49.0	61.3	71.6	75.5	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7
≥ 9000		49.0	61.3	71.6	75.5	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7
≥ 8000		49.7	63.2	74.2	79.4	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.6	82.6
≥ 7000		51.0	64.5	75.5	80.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9
≥ 6000		51.0	64.5	75.5	80.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9
≥ 5000		53.6	67.1	78.1	83.9	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1	87.1
≥ 4500		53.6	67.1	78.1	83.9	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1	87.1
≥ 4000		54.2	67.7	80.0	85.8	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0
≥ 3500		54.2	68.4	80.7	87.1	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	90.3
≥ 3000		54.8	69.0	81.9	88.4	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6
≥ 2500		54.8	69.7	82.6	89.0	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3
≥ 2000		55.5	70.3	83.2	91.0	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2	94.2
≥ 1800		56.1	71.0	83.9	91.6	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 1500		56.1	71.6	85.2	92.9	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 1200		56.8	72.3	85.8	93.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 1000		56.8	72.3	85.8	93.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 900		57.4	73.6	87.1	94.8	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 800		57.4	73.6	87.1	94.8	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 700		57.4	73.6	87.1	94.8	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 600		57.4	73.6	87.1	94.8	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	
≥ 500		57.4	73.6	87.1	94.8	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	
≥ 400		57.4	73.6	87.1	94.8	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	
≥ 300		57.4	73.6	87.1	94.8	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	
≥ 200		57.4	73.6	87.1	94.8	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	
≥ 100		57.4	73.6	87.1	94.8	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	
0		57.4	73.6	87.1	94.8	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) JUL (MONTH) 04 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.5	43.9	52.9	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		40.0	51.0	61.9	67.7	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 18000		40.0	51.0	61.9	67.7	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 16000		40.0	51.0	61.9	67.7	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000		40.0	51.0	61.9	67.7	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000		40.7	51.6	62.6	68.4	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000		43.9	56.1	67.1	74.8	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 9000		43.9	56.1	67.1	74.8	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000		48.4	61.9	72.9	83.2	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000		49.0	62.6	73.6	83.9	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000		49.0	62.6	73.6	83.9	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000		49.0	62.6	73.6	85.2	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500		49.7	63.2	74.2	85.8	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000		51.0	64.5	75.5	87.1	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500		51.6	65.8	76.8	88.4	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000		52.9	69.0	80.0	92.3	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500		52.9	69.0	80.0	92.3	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000		52.9	69.0	80.0	92.3	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800		52.9	69.0	80.0	92.3	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500		52.9	69.7	81.3	93.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200		52.9	70.3	82.6	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000		52.9	71.0	83.9	96.1	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900		52.9	71.0	83.9	96.1	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		53.6	71.6	84.5	96.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		53.6	71.6	84.5	96.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		53.6	71.6	85.2	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		53.6	71.6	85.2	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		53.6	71.6	85.2	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		53.6	71.6	85.2	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		53.6	71.6	85.2	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		53.6	71.6	85.2	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		53.6	71.6	85.2	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH) | 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	27.7	34.8	43.2	49.0	49.7	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.8	54.8
≥ 20000	.7	34.2	41.3	49.7	56.1	57.4	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.9	63.9
≥ 18000	.7	34.2	41.3	49.7	56.1	57.4	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.9	63.9
≥ 16000	.7	34.2	41.3	49.7	56.1	57.4	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.9	63.9
≥ 14000	.7	34.8	41.9	50.3	56.8	58.1	61.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.5	64.5
≥ 12000	.7	36.1	43.2	51.6	58.1	59.4	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.8	65.8
≥ 10000	.7	39.4	46.5	56.1	65.8	68.4	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.8	74.8
≥ 9000	.7	39.4	46.5	56.1	65.8	68.4	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.8	74.8
≥ 8000	.7	44.5	53.6	65.8	76.8	79.4	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8
≥ 7000	.7	44.5	53.6	65.8	76.8	79.4	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8
≥ 6000	.7	44.5	53.6	65.8	76.8	79.4	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8
≥ 5000	.7	45.8	54.8	67.7	79.4	81.9	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0
≥ 4500	.7	45.8	55.5	68.4	80.0	82.6	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7	89.7
≥ 4000	.7	46.5	56.1	69.0	81.3	83.9	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	91.0	91.0
≥ 3500	.7	47.1	56.8	69.7	81.9	84.5	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6
≥ 3000	.7	47.7	57.4	70.3	82.6	85.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3
≥ 2500	.7	47.7	57.4	70.3	82.6	85.2	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3
≥ 2000	.7	48.4	58.1	71.0	83.2	85.8	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.9	92.9
≥ 1800	.7	48.4	58.1	71.0	83.9	86.5	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 1500	.7	49.0	58.7	71.6	84.5	87.1	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2	94.2
≥ 1200	.7	49.0	59.4	72.3	85.2	87.7	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 1000	.7	49.0	59.4	72.9	86.5	89.0	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 900	.7	49.0	59.4	72.9	86.5	89.0	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 800	.7	50.3	60.7	74.2	88.4	91.0	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 700	.7	50.3	60.7	74.2	88.4	91.0	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 600	.7	50.3	60.7	74.2	88.4	91.0	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 500	.7	51.0	61.3	74.8	89.0	91.6	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 400	.7	51.0	61.3	74.8	89.0	91.6	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 300	.7	51.0	61.3	74.8	89.0	91.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 200	.7	51.0	61.3	74.8	89.0	91.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 100	.7	51.0	61.3	74.8	89.0	91.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
0	.7	51.0	61.3	74.8	89.0	91.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	38.1	43.2	47.7	51.6	52.9	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	1.9	45.8	51.0	58.1	63.2	64.5	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	1.9	45.8	51.0	58.1	63.2	64.5	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	1.9	45.8	51.0	58.1	63.2	64.5	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	1.9	45.8	51.0	58.1	63.2	64.5	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	1.9	46.5	51.6	58.7	63.9	65.2	67.1	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	1.9	49.7	55.5	64.5	69.7	71.0	72.9	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	1.9	50.3	56.1	65.2	70.3	71.6	73.6	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	1.9	52.3	59.4	71.0	77.4	78.7	80.7	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	1.9	52.9	60.0	71.6	78.1	79.4	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	1.9	52.9	60.0	71.6	78.1	79.4	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	1.9	52.9	60.0	71.6	78.1	79.4	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	1.9	53.6	60.7	72.3	78.7	80.0	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	1.9	54.8	62.6	75.5	81.9	83.2	85.8	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	1.9	55.5	63.2	76.8	83.2	84.5	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	1.9	56.1	64.5	78.1	84.5	85.8	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	1.9	56.8	65.2	79.4	85.8	87.1	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	1.9	58.1	66.5	80.7	87.1	88.4	92.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	1.9	58.7	67.1	81.3	87.7	89.0	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	1.9	60.7	69.0	83.2	90.3	91.6	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	1.9	60.7	69.0	83.2	90.3	92.3	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	1.9	61.3	69.7	83.9	91.0	92.9	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	1.9	61.3	69.7	83.9	91.6	93.6	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	1.9	61.3	69.7	83.9	91.6	93.6	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	1.9	61.3	70.3	84.5	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	1.9	61.3	70.3	84.5	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	1.9	61.3	70.3	84.5	92.3	94.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.9	61.3	70.3	84.5	92.3	94.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.9	61.3	70.3	84.5	92.3	94.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.9	61.3	70.3	84.5	92.3	94.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.9	61.3	70.3	84.5	92.3	94.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	1.9	61.3	70.3	84.5	92.3	94.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	34.8	41.9	48.4	50.3	50.3	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	1.9	47.1	54.8	62.6	65.2	65.2	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	1.9	47.1	54.8	62.6	65.2	65.2	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	1.9	47.1	54.8	62.6	65.2	65.2	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	1.9	47.1	54.8	62.6	65.2	65.2	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	1.9	49.0	56.8	64.5	67.1	67.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	1.9	51.0	58.7	67.1	69.7	69.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	1.9	51.0	58.7	67.1	69.7	69.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	1.9	52.3	61.3	70.3	74.2	74.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000	1.9	52.3	61.3	70.3	74.2	74.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	1.9	52.3	61.3	70.3	74.2	74.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	1.9	52.3	62.6	71.6	75.5	75.5	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	1.9	52.9	63.2	72.3	76.1	76.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	1.9	54.2	64.5	74.2	78.1	78.1	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	1.9	55.5	65.8	75.5	80.0	80.0	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	1.9	58.7	70.3	81.9	88.4	88.4	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	1.9	61.3	72.9	84.5	91.6	91.6	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	1.9	61.3	72.9	84.5	92.3	92.3	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	1.9	61.3	72.9	84.5	92.3	92.3	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	1.9	61.9	74.2	85.8	94.2	94.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	1.9	61.9	74.2	85.8	94.2	94.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	1.9	61.9	74.2	85.8	94.8	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	34.8	41.3	46.5	49.7	49.7	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	1.9	42.6	51.0	58.1	63.9	63.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000	1.9	42.6	51.0	58.1	63.9	63.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV ≥ 16000	1.9	42.6	51.0	58.1	63.9	63.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 14000	1.9	42.6	51.0	58.1	63.9	63.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV ≥ 12000	1.9	43.9	53.6	60.7	67.7	67.7	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000	1.9	50.3	60.0	67.7	76.1	76.1	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV ≥ 9000	1.9	50.3	60.0	67.7	76.1	76.1	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	1.9	52.9	63.2	71.6	80.0	80.0	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV ≥ 7000	1.9	52.9	63.2	71.6	80.0	80.0	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	1.9	52.9	63.2	71.6	80.0	80.0	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV ≥ 5000	1.9	52.9	63.2	71.6	80.7	80.7	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	1.9	53.6	63.9	72.3	81.3	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV ≥ 4000	1.9	54.2	65.2	76.1	85.8	86.5	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	1.9	54.2	65.2	76.1	85.8	86.5	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV ≥ 3000	1.9	58.1	69.0	80.7	92.3	93.6	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	1.9	58.7	69.7	81.3	93.6	94.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV ≥ 2000	1.9	59.4	70.3	82.6	94.8	96.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	1.9	59.4	70.3	82.6	94.8	96.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV ≥ 1500	1.9	59.4	70.3	82.6	94.8	96.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	1.9	59.4	70.3	82.6	94.8	96.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV ≥ 1000	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 800	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 600	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 400	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 200	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	1.9	59.4	70.3	83.2	95.5	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	38.1	44.5	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	51.0	51.0
≥ 20000	.7	45.8	53.6	58.1	61.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2
≥ 18000	.7	45.8	53.6	58.1	61.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2
≥ 16000	.7	45.8	53.6	58.1	61.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2
≥ 14000	.7	45.8	53.6	58.1	61.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2
≥ 12000	.7	46.5	54.8	60.7	65.2	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	69.0	69.0
≥ 10000	.7	49.0	57.4	63.9	69.7	71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2
≥ 9000	.7	49.0	57.4	63.9	69.7	71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2
≥ 8000	.7	54.2	63.9	71.0	77.4	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9
≥ 7000	.7	54.8	64.5	72.3	79.4	81.3	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5	84.5
≥ 6000	.7	55.5	65.2	72.9	80.0	81.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2
≥ 5000	.7	55.5	65.8	73.6	81.3	83.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1	87.1
≥ 4500	.7	55.5	65.8	73.6	81.3	83.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1	87.1
≥ 4000	.7	56.8	67.7	75.5	83.2	85.2	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0
≥ 3500	.7	56.8	67.7	75.5	83.9	85.8	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7	89.7
≥ 3000	.7	57.4	69.0	78.1	86.5	88.4	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3
≥ 2500	.7	57.4	69.7	78.7	88.4	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2	94.2
≥ 2000	.7	58.1	70.3	80.0	89.7	91.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 1800	.7	58.1	70.3	80.0	89.7	91.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 1500	.7	58.1	71.0	80.7	91.0	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4	97.4
≥ 1200	.7	58.1	71.0	81.3	91.6	93.6	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 1000	.7	58.1	71.0	81.3	91.6	93.6	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 900	.7	58.1	71.0	81.3	91.6	93.6	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 800	.7	58.1	71.0	81.3	91.6	93.6	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 700	.7	58.1	71.0	81.3	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 600	.7	58.1	71.0	81.3	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 500	.7	58.1	71.0	81.3	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 400	.7	58.1	71.0	81.3	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 300	.7	58.1	71.0	81.3	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 200	.7	58.1	71.0	81.3	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 100	.7	58.1	71.0	81.3	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0
0	.7	58.1	71.0	81.3	92.3	94.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		37.4	44.5	47.7	50.3	51.0	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000		43.2	52.3	58.1	61.9	62.6	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000		43.2	52.3	58.1	61.9	62.6	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000		43.2	52.3	58.1	61.9	62.6	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000		43.2	52.3	58.1	62.6	63.2	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000		43.2	52.9	59.4	64.5	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000		45.8	56.8	65.2	70.3	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000		45.8	56.8	65.2	70.3	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000		51.0	63.2	72.3	78.7	79.4	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000		51.0	63.2	73.6	80.0	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000		51.0	63.2	73.6	80.0	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000		52.3	64.5	76.8	83.2	83.9	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500		52.3	65.2	77.4	85.2	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000		52.9	65.8	78.7	87.1	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500		52.9	65.8	78.7	87.1	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000		53.6	66.5	79.4	88.4	89.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500		56.1	69.0	81.9	91.0	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000		56.1	69.7	82.6	91.6	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800		56.1	69.7	82.6	91.6	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500		56.8	70.3	83.9	94.2	94.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		56.8	70.3	83.9	94.2	94.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		57.4	71.0	84.5	94.8	95.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		57.4	71.0	84.5	94.8	95.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		57.4	71.0	84.5	94.8	95.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		57.4	71.0	84.5	94.8	95.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		57.4	71.0	84.5	94.8	95.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		57.4	71.0	85.2	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		57.4	71.0	85.2	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		57.4	71.0	85.2	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		57.4	71.0	85.2	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		57.4	71.0	85.2	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		57.4	71.0	85.2	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.9	35.7	43.0	48.7	51.9	52.3	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2	54.2
≥ 20000	.9	43.0	51.5	59.1	63.6	64.4	66.1	66.7	66.7	66.8	66.8	66.8	66.8	66.8	67.0	67.0
AVN 18000	.9	43.0	51.5	59.1	63.6	64.4	66.1	66.7	66.7	66.8	66.8	66.8	66.8	66.8	67.0	67.0
AVN 16000	.9	43.0	51.5	59.1	63.6	64.4	66.1	66.7	66.7	66.8	66.8	66.8	66.8	66.8	67.0	67.0
AVN 14000	.9	43.1	51.6	59.2	63.7	64.5	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.2	67.2
AVN 12000	.9	44.0	52.8	60.7	65.6	66.4	68.2	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.1	69.1
AVN 10000	.9	47.3	56.5	65.4	71.5	72.5	74.4	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.3	75.3
AVN 9000	.9	47.3	56.6	65.5	71.5	72.6	74.4	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.4	75.4
AVN 8000	.9	50.7	61.2	71.1	78.4	79.4	81.4	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.3	82.3
AVN 7000	.9	51.1	61.6	71.8	79.1	80.2	82.1	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.2	83.2
AVN 6000	.9	51.1	61.7	71.9	79.2	80.2	82.2	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.2	83.2
AVN 5000	.9	51.8	62.6	73.1	80.9	81.9	84.2	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.2	85.2
AVN 4500	.9	52.1	63.1	73.6	81.5	82.6	84.9	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0
AVN 4000	.9	53.1	64.3	75.6	83.8	84.9	87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.5	88.5
AVN 3500	.9	53.5	64.8	76.2	84.7	85.8	88.2	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.4	89.4
AVN 3000	.9	54.9	66.9	78.8	87.9	89.1	91.8	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.9	92.9
AVN 2500	.9	55.7	67.8	79.8	89.3	90.5	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.3	94.3
AVN 2000	.9	56.2	68.4	80.6	90.2	91.5	94.2	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.4	95.4
AVN 1800	.9	56.4	68.6	80.7	90.5	91.7	94.5	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.7	95.7
AVN 1500	.9	56.9	69.4	81.8	91.9	93.2	96.0	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.2	97.2
AVN 1200	.9	56.9	69.6	82.2	92.3	93.6	96.6	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8
AVN 1000	.9	57.1	69.8	82.7	93.0	94.3	97.3	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.6	98.6
AVN 900	.9	57.2	70.0	82.8	93.2	94.5	97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9
AVN 800	.9	57.4	70.2	83.1	93.6	94.8	98.0	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2
AVN 700	.9	57.4	70.3	83.2	93.7	95.0	98.2	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.4
AVN 600	.9	57.4	70.3	83.2	93.8	95.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.7	99.7
AVN 500	.9	57.5	70.4	83.4	94.0	95.3	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9
AVN 400	.9	57.5	70.4	83.4	94.0	95.3	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9
AVN 300	.9	57.5	70.4	83.4	94.0	95.3	98.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0
AVN 200	.9	57.5	70.4	83.4	94.0	95.3	98.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0
AVN 100	.9	57.5	70.4	83.4	94.0	95.3	98.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0
AVN 0	.9	57.5	70.4	83.4	94.0	95.3	98.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) AUG (MONTH)

01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.5	43.9	51.0	56.8	56.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		40.0	49.7	59.4	67.1	67.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
AW 18000		40.0	49.7	59.4	67.1	67.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
AW 16000		40.0	49.7	59.4	67.1	67.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
AW 14000		40.0	49.7	59.4	67.1	67.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
AW 12000		40.0	49.7	59.4	67.1	67.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
AW 10000		43.2	53.6	64.5	74.2	74.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
AW 9000		43.2	54.2	65.2	74.8	74.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
AW 8000		47.7	58.7	71.0	80.7	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AW 7000		47.7	58.7	71.0	80.7	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AW 6000		47.7	58.7	71.0	80.7	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AW 5000		47.7	59.4	71.6	81.9	81.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
AW 4500		48.4	60.0	72.3	82.6	83.2	86.5	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1
AW 4000		49.7	61.3	74.2	84.5	85.2	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0
AW 3500		49.7	61.3	74.2	84.5	85.2	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0
AW 3000		50.3	63.9	78.1	88.4	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9
AW 2500		50.3	63.9	78.1	88.4	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9
AW 2000		50.3	63.9	78.1	88.4	89.0	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
AW 1800		51.0	64.5	78.7	89.0	89.7	93.6	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2
AW 1500		51.0	64.5	78.7	89.0	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8
AW 1200		52.3	65.8	80.0	90.3	91.0	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1
AW 1000		52.3	65.8	80.0	90.3	91.0	95.5	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8
AW 900		52.9	66.5	80.7	91.0	91.6	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4
AW 800		53.6	67.1	81.3	91.6	92.3	96.8	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1
AW 700		53.6	68.4	82.6	92.9	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AW 600		53.6	68.4	82.6	92.9	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AW 500		53.6	68.4	82.6	92.9	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AW 400		53.6	68.4	82.6	92.9	93.6	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
AW 300		53.6	68.4	82.6	92.9	93.6	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
AW 200		53.6	68.4	82.6	92.9	93.6	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
AW 100		53.6	68.4	82.6	92.9	93.6	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
AW 0		53.6	68.4	82.6	92.9	93.6	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) AUG (MONTH) 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		30.3	41.9	49.0	58.1	58.1	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000		33.6	46.5	54.2	64.5	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000		33.6	46.5	54.2	64.5	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000		33.6	46.5	54.2	64.5	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000		33.6	46.5	54.2	64.5	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000		33.6	47.1	54.8	65.8	65.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000		36.8	51.0	59.4	72.3	72.3	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000		36.8	51.0	59.4	72.3	72.3	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000		40.0	55.5	65.8	78.7	78.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000		40.0	55.5	65.8	78.7	78.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000		40.0	55.5	65.8	78.7	78.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000		40.0	55.5	65.8	78.7	78.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500		40.0	55.5	65.8	78.7	78.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000		42.6	58.7	69.7	82.6	82.6	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500		43.2	59.4	70.3	83.9	83.9	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000		43.2	60.7	71.6	85.8	85.8	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500		44.5	61.9	72.9	87.1	87.1	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000		44.5	61.9	73.6	87.7	87.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800		45.8	63.2	75.5	89.7	89.7	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500		45.8	63.2	75.5	90.3	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200		45.8	63.2	75.5	90.3	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000		46.5	63.9	76.1	91.0	91.0	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900		47.1	64.5	76.8	91.6	91.6	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800		47.7	65.2	78.1	92.9	92.9	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		47.7	65.8	78.7	93.6	93.6	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600		47.7	66.5	79.4	94.2	94.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		47.7	66.5	79.4	94.2	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		47.7	67.1	80.0	94.8	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		47.7	67.1	80.0	94.8	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		47.7	67.1	80.0	94.8	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		47.7	67.1	80.0	94.8	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		47.7	67.1	80.0	94.8	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		23.9	31.0	36.1	43.9	46.5	48.4	48.4	48.4	49.0	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000		31.0	38.7	44.5	54.2	57.4	60.7	61.3	61.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6
M/V 18000		31.0	38.7	44.5	54.2	57.4	60.7	61.3	61.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6
M/V 16000		31.0	38.7	44.5	54.2	57.4	60.7	61.3	61.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6
M/V 14000		31.0	39.4	45.2	54.8	58.1	61.3	61.9	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2
M/V 12000		31.6	40.0	46.5	56.1	59.4	62.6	63.2	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5
M/V 10000		35.5	45.2	52.9	63.9	67.7	72.9	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8
M/V 9000		35.5	45.2	53.6	64.5	68.4	73.6	74.2	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5
M/V 8000		38.7	52.3	61.9	73.6	77.4	84.5	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5
M/V 7000		38.7	52.3	61.9	73.6	77.4	84.5	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5
M/V 6000		39.4	52.9	62.6	74.2	78.1	85.2	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1
M/V 5000		39.4	53.6	63.2	74.8	78.7	85.8	86.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7
M/V 4500		39.4	53.6	63.2	74.8	78.7	85.8	86.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7
M/V 4000		40.7	54.8	64.5	76.1	80.0	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
M/V 3500		40.7	54.8	64.5	76.1	80.0	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0
M/V 3000		41.3	55.5	65.2	77.4	81.9	89.0	89.7	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0
M/V 2500		41.3	55.5	65.2	77.4	81.9	89.0	89.7	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0
M/V 2000		41.3	55.5	65.8	78.1	82.6	89.7	90.3	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6
M/V 1800		41.3	55.5	65.8	78.1	82.6	89.7	90.3	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6
M/V 1500		43.2	57.4	67.7	80.0	84.5	91.6	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6
M/V 1200		43.9	58.1	68.4	81.3	85.8	93.6	94.2	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5
M/V 1000		45.2	59.4	69.7	83.2	87.7	95.5	96.1	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4
M/V 900		45.2	59.4	69.7	83.2	87.7	95.5	96.1	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4
M/V 800		45.8	60.0	70.3	84.5	89.0	96.8	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7
M/V 700		45.8	60.0	70.3	84.5	89.0	96.8	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7
M/V 600		45.8	60.0	70.3	85.2	89.7	97.4	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4
M/V 500		45.8	60.0	70.3	85.8	90.3	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
M/V 400		45.8	60.0	70.3	85.8	90.3	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
M/V 300		45.8	60.0	70.3	85.8	90.3	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
M/V 200		45.8	60.0	70.3	85.8	90.3	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
M/V 100		45.8	60.0	70.3	85.8	90.3	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
M/V 0		45.8	60.0	70.3	85.8	90.3	98.1	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | AUG (MONTH) | 10 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		32.3	37.4	45.2	49.7	51.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000		39.4	47.1	57.4	63.2	64.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000		39.4	47.1	57.4	63.2	64.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000		39.4	47.1	57.4	63.2	64.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000		40.0	47.7	58.1	63.9	65.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000		40.0	49.0	59.4	65.2	66.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 10000		43.2	52.9	64.5	71.6	72.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000		43.9	53.6	65.2	72.3	73.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000		45.8	55.5	67.1	74.8	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000		45.8	55.5	67.1	74.8	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000		46.5	56.1	67.7	75.5	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000		47.7	57.4	69.0	76.8	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		47.7	57.4	69.0	76.8	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000		48.4	58.1	70.3	79.4	81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500		48.4	58.1	70.3	79.4	81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000		50.3	60.7	74.2	83.2	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500		50.3	61.3	74.8	83.9	86.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000		51.0	61.9	76.1	85.2	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800		51.0	61.9	76.1	85.2	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500		52.3	63.2	78.1	87.7	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200		52.9	63.9	78.7	89.0	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000		55.5	66.5	81.3	91.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		55.5	66.5	81.9	92.3	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800		56.8	67.7	83.2	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		56.8	67.7	83.2	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		56.8	67.7	83.2	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		56.8	67.7	83.2	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		56.8	67.7	83.2	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		56.8	67.7	83.2	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		56.8	67.7	83.2	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		56.8	67.7	83.2	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		56.8	67.7	83.2	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		34.2	40.7	47.7	54.8	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000		40.0	47.1	56.1	64.5	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
M 18000		40.0	47.1	56.1	64.5	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
M 16000		40.0	47.1	56.1	64.5	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
M 14000		40.0	47.7	56.8	65.2	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
M 12000		40.7	49.0	58.1	66.5	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
M 10000		44.5	54.2	64.5	73.6	73.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
M 9000		44.5	54.2	64.5	73.6	73.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
M 8000		45.8	56.1	67.1	76.1	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
M 7000		46.5	56.8	68.4	77.4	77.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
M 6000		47.1	57.4	69.0	78.1	78.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
M 5000		47.7	58.1	70.3	79.4	79.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
M 4500		47.7	58.1	70.3	79.4	79.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
M 4000		48.4	58.7	71.6	81.3	81.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
M 3500		49.0	59.4	72.3	81.9	82.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
M 3000		51.6	62.6	76.8	86.5	87.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
M 2500		53.6	64.5	78.7	88.4	89.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
M 2000		54.2	65.2	79.4	89.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
M 1800		54.2	65.2	79.4	89.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
M 1500		55.3	66.5	80.7	90.3	91.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
M 1200		55.5	67.7	81.9	91.6	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
M 1000		56.8	69.0	83.2	92.9	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
M 900		56.8	69.0	83.2	92.9	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
M 800		57.4	69.7	83.9	93.6	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
M 700		57.4	69.7	83.9	93.6	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
M 600		57.4	69.7	83.9	93.6	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
M 500		57.4	70.3	84.5	94.2	96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
M 400		57.4	70.3	84.5	94.2	96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
M 300		57.4	70.3	84.5	94.2	96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
M 200		57.4	70.3	84.5	94.2	96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
M 100		57.4	70.3	84.5	94.2	96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
M 0		57.4	70.3	84.5	94.2	96.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) AUG (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		29.7	38.7	42.6	51.0	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000		36.8	47.1	52.3	63.2	63.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000		36.8	47.1	52.3	63.2	63.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000		36.8	47.1	52.3	63.2	63.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000		37.4	48.4	53.6	64.5	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000		37.4	49.7	54.8	65.8	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000		41.9	55.5	60.7	72.3	72.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000		41.9	55.5	60.7	72.3	72.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000		43.9	58.7	63.9	75.5	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000		43.9	58.7	63.9	75.5	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000		44.5	59.4	64.5	76.1	76.8	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000		44.5	59.4	64.5	76.8	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500		45.8	60.7	65.8	78.1	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000		47.1	61.9	67.1	79.4	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500		47.7	62.6	67.7	80.0	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000		50.3	66.5	74.2	88.4	89.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500		51.0	67.1	75.5	89.7	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000		52.9	69.0	77.4	91.6	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800		52.9	69.0	77.4	91.6	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500		53.6	69.7	78.1	92.9	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200		53.6	69.7	78.7	93.6	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		54.2	70.3	79.4	94.2	94.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		54.2	70.3	79.4	94.2	94.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		54.2	70.3	79.4	94.2	94.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		54.2	70.3	79.4	94.2	94.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		54.2	70.3	79.4	94.2	94.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		54.2	71.0	80.0	94.8	95.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		54.2	71.0	80.0	94.8	95.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		54.2	71.0	80.7	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		54.2	71.0	80.7	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		54.2	71.0	80.7	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		54.2	71.0	80.7	95.5	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | AUG (MONTH) | 19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		26.5	30.3	36.8	47.1	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000		34.2	40.7	47.7	58.7	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000		34.2	40.7	47.7	58.7	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000		34.2	41.3	48.4	59.4	60.0	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000		34.2	41.3	48.4	59.4	60.0	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000		36.8	43.9	51.0	61.9	62.6	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000		41.3	48.4	56.8	68.4	69.7	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000		41.3	48.4	56.8	68.4	69.7	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000		45.2	53.6	63.2	74.8	76.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000		46.5	54.8	64.5	76.1	77.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000		46.5	54.8	64.5	76.1	77.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000		46.5	54.8	64.5	76.1	77.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500		47.1	55.5	65.2	76.8	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000		47.7	56.1	67.7	80.0	81.3	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500		48.4	56.8	68.4	80.7	81.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000		52.9	61.9	74.8	87.1	88.4	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500		54.2	63.2	76.1	88.4	89.7	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000		54.2	63.9	76.8	90.3	91.6	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800		54.8	64.5	77.4	91.0	92.3	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500		55.5	65.2	78.1	91.6	93.6	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		55.5	65.2	78.1	91.6	93.6	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		56.1	65.8	78.7	92.3	94.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		56.1	65.8	79.4	92.9	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		56.1	65.8	79.4	92.9	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		56.1	65.8	79.4	92.9	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		56.1	65.8	79.4	92.9	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		56.1	65.8	80.0	93.6	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		56.1	65.8	80.0	93.6	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		56.1	65.8	80.0	93.6	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		56.1	65.8	80.0	93.6	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		56.1	65.8	80.0	93.6	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		56.1	65.8	80.0	93.6	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		31.0	36.8	44.5	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000		37.4	43.9	54.2	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000		37.4	43.9	54.2	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000		37.4	43.9	54.2	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000		38.1	44.5	54.8	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000		38.7	45.8	56.1	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000		43.9	51.6	63.2	73.6	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000		44.5	52.3	63.9	74.2	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000		48.4	58.7	71.0	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000		48.4	58.7	71.0	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000		48.4	58.7	71.0	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000		48.4	58.7	71.6	81.9	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500		48.4	58.7	71.6	81.9	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000		49.0	59.4	72.3	82.6	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500		50.3	60.7	74.2	84.5	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000		52.9	63.9	77.4	87.7	89.0	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500		54.2	65.2	78.7	89.7	91.0	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000		54.8	65.8	80.0	91.0	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800		55.5	67.1	81.3	92.3	93.6	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500		56.1	69.0	83.2	94.2	95.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		56.1	69.0	83.2	94.2	95.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		56.1	69.0	83.2	94.2	95.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		56.1	69.7	83.9	94.8	96.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		56.1	69.7	83.9	94.8	96.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		56.1	69.7	83.9	94.8	96.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		56.1	69.7	83.9	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		56.1	69.7	83.9	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		56.1	69.7	83.9	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		56.1	69.7	83.9	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		56.1	69.7	83.9	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		56.1	69.7	83.9	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		56.1	69.7	83.9	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | AUG (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		30.4	37.6	44.1	51.8	52.3	53.7	53.8	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000		36.5	45.1	53.2	62.4	63.3	65.2	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7
≥ 18000		36.5	45.1	53.2	62.4	63.3	65.2	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7
≥ 16000		36.5	45.2	53.3	62.5	63.4	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 14000		36.8	45.7	53.8	63.0	63.9	65.8	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
≥ 12000		37.3	46.8	55.0	64.3	65.2	67.1	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5
≥ 10000		41.3	51.5	60.8	71.2	72.3	74.7	75.0	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000		41.5	51.8	61.1	71.5	72.6	75.0	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000		44.4	56.1	66.4	76.9	78.1	81.0	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5
≥ 7000		44.7	56.4	66.7	77.3	78.4	81.3	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 6000		45.0	56.7	67.0	77.6	78.7	81.6	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1
≥ 5000		45.2	57.1	67.6	78.3	79.4	82.3	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4500		45.6	57.4	67.9	78.6	79.8	82.8	83.2	83.2	83.2	83.3	83.3	83.4	83.4	83.4	83.4
≥ 4000		46.7	58.6	69.7	80.7	82.0	85.0	85.4	85.4	85.5	85.6	85.6	85.7	85.7	85.7	85.7
≥ 3500		47.2	59.1	70.2	81.4	82.7	85.7	86.1	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.3
≥ 3000		49.1	61.9	74.0	85.6	87.1	90.2	90.8	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1
≥ 2500		49.9	62.8	75.0	86.6	88.2	91.5	92.0	92.0	92.1	92.2	92.2	92.3	92.3	92.3	92.3
≥ 2000		50.4	63.4	75.9	87.7	89.2	92.6	93.2	93.2	93.2	93.3	93.3	93.4	93.4	93.4	93.4
≥ 1800		50.8	63.9	76.5	88.2	89.8	93.2	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0
≥ 1500		51.6	64.8	77.5	89.5	91.1	94.6	95.3	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6
≥ 1200		51.9	65.3	78.1	90.2	91.9	95.4	96.1	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.4
≥ 1000		52.8	66.2	79.0	91.2	93.0	96.6	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		53.0	66.5	79.4	91.6	93.4	97.0	97.9	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.2
≥ 800		53.3	66.9	79.9	92.3	94.0	97.7	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8
≥ 700		53.5	67.2	80.2	92.6	94.4	98.0	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 600		53.5	67.3	80.2	92.7	94.6	98.2	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4
≥ 500		53.5	67.4	80.5	93.1	95.0	98.6	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8
≥ 400		53.5	67.5	80.6	93.2	95.1	98.8	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300		53.5	67.5	80.7	93.2	95.2	98.9	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200		53.5	67.5	80.7	93.2	95.2	98.9	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100		53.5	67.5	80.7	93.2	95.2	98.9	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
0		53.5	67.5	80.7	93.2	95.2	98.9	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH) | 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	36.7	46.0	50.7	53.3	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	.7	40.7	52.0	56.7	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	.7	40.7	52.0	56.7	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	.7	40.7	52.0	56.7	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	.7	40.7	52.0	56.7	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	.7	40.7	52.0	56.7	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	.7	45.3	57.3	63.3	66.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000	.7	45.3	57.3	63.3	66.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	.7	50.7	62.7	70.0	73.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	.7	50.7	62.7	70.0	73.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	.7	50.7	62.7	70.0	73.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	.7	52.0	64.7	73.3	76.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	.7	54.0	66.7	75.3	78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	.7	54.0	66.7	75.3	78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	.7	54.0	66.7	75.3	78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	.7	54.7	70.0	79.3	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500	.7	54.7	70.0	79.3	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	.7	56.0	72.0	82.7	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	.7	56.0	72.0	82.7	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1500	.7	58.0	74.7	86.0	89.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	.7	59.3	76.0	87.3	90.7	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	.7	60.0	76.7	89.3	92.7	94.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	.7	60.0	76.7	89.3	92.7	94.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	.7	60.0	76.7	90.0	93.3	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	.7	60.0	76.7	90.0	93.3	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	.7	60.0	76.7	90.7	94.0	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	.7	60.0	76.7	90.7	94.0	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	.7	60.0	76.7	91.3	96.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.7	60.0	76.7	91.3	96.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.7	60.0	76.7	91.3	96.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.7	60.0	76.7	91.3	96.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	.7	60.0	76.7	91.3	96.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) SEP (MONTH) 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	34.0	44.0	49.3	51.3	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0
≥ 20000	.7	34.7	46.0	51.3	55.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0
≥ 18000	.7	34.7	46.0	51.3	55.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0
≥ 16000	.7	34.7	46.0	51.3	55.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0
≥ 14000	.7	34.7	46.0	51.3	55.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0
≥ 12000	.7	35.3	46.7	52.0	56.0	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.7	58.7
≥ 10000	.7	41.3	54.7	62.7	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3
≥ 9000	.7	41.3	54.7	62.7	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3
≥ 8000	.7	44.0	58.7	66.7	71.3	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0	74.0
≥ 7000	.7	44.7	59.3	67.3	72.0	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7	74.7
≥ 6000	.7	44.7	59.3	67.3	72.0	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7	74.7
≥ 5000	.7	45.3	60.0	68.0	72.7	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3	75.3
≥ 4500	.7	46.7	61.3	69.3	74.0	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7	76.7
≥ 4000	.7	47.3	62.0	70.7	75.3	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.0	78.0
≥ 3500	.7	49.3	64.0	73.3	78.0	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7
≥ 3000	.7	49.3	66.0	76.0	80.7	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.3	83.3
≥ 2500	.7	50.7	67.3	77.3	82.0	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.7	84.7
≥ 2000	.7	52.7	70.0	80.7	85.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0
≥ 1800	.7	52.7	70.0	80.7	85.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0
≥ 1500	.7	52.7	71.3	84.0	88.7	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	91.3
≥ 1200	.7	52.7	71.3	84.0	89.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	92.0	92.0
≥ 1000	.7	53.3	72.0	86.0	91.3	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0
≥ 900	.7	53.3	72.0	86.0	92.0	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.7	94.7
≥ 800	.7	53.3	72.0	86.0	92.7	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 700	.7	53.3	72.7	86.7	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	96.7
≥ 600	.7	54.0	73.3	88.0	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
≥ 500	.7	54.0	73.3	88.0	96.0	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3
≥ 400	.7	54.0	73.3	88.0	96.7	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 300	.7	54.0	73.3	88.0	96.7	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 200	.7	54.0	73.3	88.0	96.7	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 100	.7	54.0	73.3	88.0	96.7	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
0	.7	54.0	73.3	88.0	96.7	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) SEP (MONTH) 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	31.3	37.3	42.0	44.7	44.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	1.3	32.7	40.0	46.0	49.3	49.3	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	1.3	32.7	40.0	46.0	49.3	49.3	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	1.3	32.7	40.0	46.0	49.3	49.3	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	1.3	32.7	40.0	46.0	49.3	49.3	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	1.3	33.3	40.7	46.7	50.0	50.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	2.0	37.3	47.3	54.0	57.3	57.3	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 9000	2.0	38.0	48.0	54.7	58.0	58.0	62.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000	2.0	45.3	56.7	64.7	68.0	68.0	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	2.0	45.3	56.7	64.7	68.0	68.0	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	2.0	46.7	58.7	66.7	70.0	70.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	2.0	47.3	59.3	67.3	71.3	71.3	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	2.0	48.0	60.7	68.7	72.7	72.7	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	2.0	49.3	62.0	70.0	74.7	74.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	2.0	50.0	64.0	72.0	76.7	76.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	2.0	50.0	64.7	74.0	80.0	80.0	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	2.0	50.7	66.0	75.3	81.3	81.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	2.0	51.3	66.7	76.0	82.0	82.0	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	2.0	51.3	66.7	76.0	82.7	82.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	2.0	52.7	68.7	78.0	84.7	84.7	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	2.0	52.7	68.7	78.0	84.7	84.7	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	2.0	52.7	69.3	80.0	86.7	87.3	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	2.0	53.3	70.0	80.7	87.3	88.0	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	2.0	54.0	70.7	82.0	88.7	89.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	2.0	54.0	70.7	82.7	89.3	90.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	2.0	54.0	70.7	83.3	90.0	91.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	2.0	54.0	70.7	84.0	90.7	92.0	97.3	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	2.0	54.0	70.7	84.0	90.7	92.0	97.3	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	2.0	54.0	70.7	84.0	90.7	92.0	97.3	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	2.0	54.0	70.7	84.0	90.7	92.0	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	2.0	54.0	70.7	84.0	90.7	92.0	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	2.0	54.0	70.7	84.0	90.7	92.0	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	41.3	46.7	48.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	2.7	47.3	52.7	54.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	2.7	47.3	52.7	54.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	2.7	47.3	52.7	54.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000	2.7	47.3	52.7	54.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000	2.7	48.7	54.0	55.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	2.7	52.0	58.7	60.0	63.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	2.7	52.0	58.7	60.0	63.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	2.7	56.0	64.0	65.3	68.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	2.7	56.7	64.7	66.0	69.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	2.7	57.3	65.3	66.7	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	2.7	57.3	65.3	66.7	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	2.7	60.0	68.0	69.3	72.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000	2.7	62.0	70.7	72.0	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	2.7	63.3	72.0	73.3	76.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	2.7	68.0	76.7	78.7	82.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	2.7	68.0	76.7	79.3	82.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	2.7	69.3	78.7	81.3	84.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	2.7	69.3	78.7	81.3	84.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	2.7	70.0	79.3	82.0	86.0	90.0	90.0	90.0	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	2.7	70.7	80.7	84.0	88.7	92.7	92.7	92.7	92.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	2.7	70.7	81.3	84.7	89.3	93.3	93.3	93.3	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	2.7	71.3	82.0	86.0	90.7	94.7	94.7	94.7	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	2.7	71.3	82.0	86.7	92.7	97.3	97.3	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	2.7	71.3	82.0	86.7	92.7	97.3	97.3	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	2.7	71.3	82.0	86.7	92.7	98.0	98.0	98.0	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	2.7	71.3	82.0	86.7	92.7	98.0	98.0	98.0	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	2.7	71.3	82.0	86.7	92.7	98.0	98.0	98.0	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	2.7	71.3	82.0	86.7	92.7	98.0	98.0	98.0	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	2.7	71.3	82.0	86.7	92.7	98.0	98.0	98.0	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	2.7	71.3	82.0	86.7	92.7	98.0	98.0	98.0	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0	2.7	71.3	82.0	86.7	92.7	98.0	98.0	98.0	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	38.0	42.0	44.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	2.7	46.0	50.7	54.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	2.7	46.0	50.7	54.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	2.7	46.0	50.7	54.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	2.7	46.0	50.7	54.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	2.7	48.0	54.0	57.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	2.7	52.7	60.0	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	2.7	52.7	60.0	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	2.7	58.0	65.3	68.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	2.7	58.7	66.0	69.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	2.7	58.7	66.0	69.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	2.7	58.7	66.0	69.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500	2.7	61.3	68.7	72.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000	2.7	64.0	71.3	74.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	2.7	64.7	72.0	75.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	2.7	68.7	76.7	80.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	2.7	70.7	80.7	84.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	2.7	71.3	81.3	85.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	2.7	71.3	81.3	85.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	3.3	72.7	82.7	87.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	3.3	72.7	82.7	87.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	3.3	72.7	82.7	88.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	3.3	72.7	83.3	89.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	3.3	72.7	84.0	90.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	3.3	72.7	84.0	91.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	3.3	72.7	84.0	91.3	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	3.3	72.7	84.0	91.3	97.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	3.3	72.7	84.0	91.3	97.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	3.3	72.7	84.0	91.3	97.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.3	72.7	84.0	91.3	97.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.3	72.7	84.0	91.3	97.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	3.3	72.7	84.0	91.3	97.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH) | 16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	36.7	42.0	44.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	2.7	45.3	53.3	55.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	2.7	45.3	53.3	55.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	2.7	45.3	53.3	55.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	2.7	45.3	53.3	55.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	2.7	45.3	54.0	56.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	3.3	51.3	60.0	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	3.3	51.3	60.0	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	3.3	55.3	64.7	67.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	3.3	55.3	64.7	67.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	3.3	55.3	66.0	68.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	3.3	56.7	67.3	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	3.3	59.3	70.0	72.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	3.3	63.3	75.3	78.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	3.3	63.3	76.0	78.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	3.3	65.3	80.0	86.7	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	3.3	65.3	80.0	87.3	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	3.3	66.0	80.7	88.0	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	3.3	66.7	81.3	88.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	3.3	67.3	82.0	90.0	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	3.3	67.3	82.0	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	3.3	67.3	82.0	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0
≥ 900	3.3	68.0	82.7	91.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7
≥ 800	3.3	68.7	83.3	92.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 700	3.3	68.7	83.3	92.0	96.7	96.7	97.3	97.3	97.3	97.3	98.0	98.0	98.7	98.7	98.7	98.7
≥ 600	3.3	68.7	83.3	92.0	96.7	96.7	97.3	97.3	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3
≥ 500	3.3	68.7	83.3	92.0	96.7	96.7	98.0	98.0	98.0	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 400	3.3	68.7	83.3	92.0	96.7	96.7	98.0	98.0	98.0	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 300	3.3	68.7	83.3	92.0	96.7	96.7	98.0	98.0	98.0	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200	3.3	68.7	83.3	92.0	96.7	96.7	98.0	98.0	98.0	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	3.3	68.7	83.3	92.0	96.7	96.7	98.0	98.0	98.0	98.7	99.3	99.3	100.0	100.0	100.0	100.0
0	3.3	68.7	83.3	92.0	96.7	96.7	98.0	98.0	98.0	98.7	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	39.3	46.0	49.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	.7	42.0	50.7	54.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	.7	42.0	50.7	54.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	.7	42.0	50.7	54.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	.7	42.7	51.3	55.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	.7	43.3	52.0	56.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000	.7	50.0	59.3	64.0	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000	.7	50.7	60.0	64.7	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	.7	54.7	66.0	72.7	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000	.7	54.7	66.0	72.7	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	.7	54.7	66.0	72.7	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000	.7	54.7	66.0	72.7	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	.7	56.0	67.3	74.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	.7	57.3	69.3	76.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	.7	57.3	69.3	76.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	.7	58.7	73.3	82.7	86.0	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	.7	58.7	73.3	82.7	86.0	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	.7	59.3	74.0	83.3	87.3	87.3	88.7	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	.7	59.3	74.0	83.3	87.3	87.3	88.7	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	.7	62.0	78.0	87.3	92.0	92.0	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	.7	62.7	78.7	88.7	93.3	93.3	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	.7	62.7	78.7	88.7	94.0	94.0	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	.7	62.7	78.7	88.7	94.0	94.0	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	.7	62.7	78.7	88.7	94.7	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	.7	62.7	78.7	88.7	94.7	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	.7	62.7	78.7	89.3	95.3	95.3	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	.7	62.7	78.7	89.3	95.3	95.3	96.7	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	.7	62.7	78.7	89.3	95.3	96.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	.7	62.7	78.7	89.3	95.3	96.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0
≥ 200	.7	62.7	78.7	89.3	95.3	96.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0
≥ 100	.7	62.7	78.7	89.3	95.3	96.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0
0	.7	62.7	78.7	89.3	95.3	96.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	40.7	47.3	49.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	.7	46.7	54.7	58.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
18000	.7	46.7	54.7	58.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
16000	.7	46.7	54.7	58.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
14000	.7	46.7	54.7	58.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
12000	.7	47.3	55.3	58.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
10000	.7	51.3	60.7	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
9000	.7	52.0	61.3	65.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
8000	.7	56.7	66.7	70.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
7000	.7	57.3	67.3	72.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
6000	.7	57.3	67.3	72.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
5000	.7	57.3	67.3	72.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
4500	.7	58.0	68.0	74.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
4000	.7	59.3	70.0	76.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3500	.7	60.0	71.3	77.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
3000	.7	61.3	74.7	80.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2500	.7	62.0	75.3	82.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2000	.7	62.0	76.7	83.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1800	.7	62.0	76.7	83.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1500	.7	62.0	78.0	86.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1200	.7	62.0	78.0	86.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1000	.7	62.7	80.0	88.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
900	.7	63.3	80.7	89.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
800	.7	64.0	81.3	90.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
700	.7	64.0	81.3	90.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
600	.7	64.0	81.3	92.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	.7	64.0	81.3	92.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	.7	64.0	81.3	92.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	.7	64.0	81.3	92.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	.7	64.0	81.3	92.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	.7	64.0	81.3	92.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	.7	64.0	81.3	92.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | SEP (MONTH) | ALL (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	37.3	43.9	47.2	49.8	50.0	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
≥ 20000	1.5	41.9	50.0	53.8	56.9	57.2	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0
≥ 18000	1.5	41.9	50.0	53.8	56.9	57.2	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0
≥ 16000	1.5	41.9	50.0	53.8	56.9	57.2	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0
≥ 14000	1.5	42.0	50.1	53.8	57.0	57.3	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1
≥ 12000	1.5	42.8	51.1	54.8	58.0	58.3	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1
≥ 10000	1.7	47.7	57.3	61.8	65.2	65.6	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7
≥ 9000	1.7	47.9	57.5	62.0	65.4	65.8	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9
≥ 8000	1.7	52.6	63.1	68.3	71.9	72.3	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4
≥ 7000	1.7	52.9	63.4	68.7	72.3	72.8	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	1.7	53.2	63.9	69.2	72.9	73.3	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4
≥ 5000	1.7	53.7	64.5	70.0	73.8	74.3	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	1.7	55.4	66.3	71.9	75.8	76.2	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3
≥ 4000	1.7	57.1	68.4	74.2	78.1	78.5	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7
≥ 3500	1.7	57.8	69.4	75.3	79.2	79.6	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8
≥ 3000	1.7	59.5	72.8	79.8	83.9	84.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
≥ 2500	1.7	60.1	73.7	80.9	85.2	85.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0
≥ 2000	1.7	61.0	75.0	82.6	87.1	87.7	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.1
≥ 1800	1.7	61.1	75.1	82.7	87.3	87.8	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.3	89.3
≥ 1500	1.8	62.2	76.8	85.1	89.8	90.6	91.8	91.9	91.9	92.1	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	1.8	62.5	77.3	85.8	90.8	91.6	92.8	92.9	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	1.8	62.8	77.8	87.1	92.2	93.1	94.3	94.5	94.5	94.7	94.8	94.8	94.9	94.9	95.0	95.0
≥ 900	1.8	63.1	78.3	87.6	92.8	93.7	94.8	95.1	95.1	95.3	95.4	95.4	95.5	95.5	95.6	95.6
≥ 800	1.8	63.3	78.6	88.3	93.9	94.9	96.1	96.3	96.3	96.5	96.7	96.7	96.8	96.8	96.8	96.8
≥ 700	1.8	63.3	78.7	88.6	94.3	95.3	96.7	96.9	96.9	97.1	97.3	97.3	97.4	97.4	97.5	97.5
≥ 600	1.8	63.4	78.8	89.2	95.0	96.3	97.4	97.8	97.8	98.0	98.3	98.3	98.3	98.3	98.4	98.4
≥ 500	1.8	63.4	78.8	89.3	95.2	96.4	98.1	98.5	98.5	98.8	99.2	99.2	99.3	99.3	99.3	99.3
≥ 400	1.8	63.4	78.8	89.4	95.5	96.8	98.6	99.0	99.0	99.3	99.7	99.7	99.8	99.8	99.8	99.8
≥ 300	1.8	63.4	78.8	89.4	95.5	96.8	98.6	99.0	99.0	99.3	99.7	99.7	99.8	99.8	99.9	99.9
≥ 200	1.8	63.4	78.8	89.4	95.5	96.8	98.6	99.0	99.0	99.4	99.8	99.8	99.8	99.8	100.0	100.0
≥ 100	1.8	63.4	78.8	89.4	95.5	96.8	98.6	99.0	99.0	99.4	99.8	99.8	99.8	99.8	100.0	100.0
0	1.8	63.4	78.8	89.4	95.5	96.8	98.6	99.0	99.0	99.4	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH) | 01 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	54.2	58.1	61.3	61.9	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	.7	55.5	60.0	63.2	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000	.7	55.5	60.0	63.2	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	.7	55.5	60.0	63.2	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	.7	55.5	60.0	63.2	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000	.7	56.8	61.3	64.5	65.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000	.7	60.0	64.5	67.7	68.4	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	.7	60.0	64.5	67.7	68.4	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000	.7	63.2	68.4	71.6	72.3	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	.7	63.2	68.4	71.6	72.3	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	.7	63.2	68.4	71.6	72.3	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	.7	64.5	69.7	72.9	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	.7	66.5	71.6	74.8	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	.7	68.4	74.2	78.1	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	.7	69.0	75.5	79.4	80.0	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	.7	71.0	77.4	81.3	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	.7	72.3	79.4	83.2	83.9	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	.7	72.3	80.0	84.5	85.2	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	.7	72.3	80.0	84.5	85.2	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	.7	72.9	81.3	86.5	87.7	87.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	.7	72.9	81.3	86.5	87.7	87.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	.7	73.6	81.9	87.1	88.4	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	.7	74.2	82.6	87.7	89.7	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	.7	74.2	83.2	88.4	90.3	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	.7	74.2	83.2	88.4	91.0	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	.7	74.2	83.9	89.0	91.6	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	.7	74.2	84.5	89.7	92.3	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	.7	74.2	85.2	90.3	92.9	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	.7	74.2	85.2	90.3	93.6	94.8	96.8	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	.7	74.2	85.2	90.3	93.6	94.8	96.8	97.4	97.4	97.4	98.1	98.1	98.7	98.7	98.7	98.7
≥ 100	.7	74.2	85.2	90.3	93.6	94.8	96.8	97.4	97.4	97.4	98.1	98.1	98.7	98.7	98.7	99.4
0	.7	74.2	85.2	90.3	93.6	94.8	96.8	97.4	97.4	97.4	98.1	98.1	98.7	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) OCT (MONTH) 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	51.0	54.8	55.5	56.8	56.8	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	59.4	59.4
≥ 20000	.7	53.6	58.1	58.7	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.9	63.9
≥ 18000	.7	53.6	58.1	58.7	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.9	63.9
≥ 16000	.7	53.6	58.1	58.7	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.9	63.9
≥ 14000	.7	53.6	58.1	58.7	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.9	63.9
≥ 12000	.7	53.6	58.1	58.7	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.9	63.9
≥ 10000	.7	56.1	61.3	61.9	63.9	63.9	65.8	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.7	67.7
≥ 9000	.7	56.1	61.3	61.9	63.9	63.9	65.8	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.7	67.7
≥ 8000	.7	59.4	65.8	67.1	69.0	69.0	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.9	72.9
≥ 7000	.7	59.4	65.8	67.1	69.0	69.0	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.9	72.9
≥ 6000	.7	59.4	65.8	67.1	69.0	69.0	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.9	72.9
≥ 5000	.7	60.0	66.5	67.7	69.7	69.7	71.6	72.3	72.3	72.9	72.9	72.9	72.9	72.9	73.6	73.6
≥ 4500	.7	61.3	67.7	69.0	71.0	71.0	72.9	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.8	74.8
≥ 4000	.7	62.6	69.7	71.0	72.9	72.9	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.8	76.8
≥ 3500	.7	63.9	71.6	73.6	75.5	75.5	77.4	78.1	78.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4
≥ 3000	.7	65.2	72.9	74.8	76.8	76.8	78.7	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.7	80.7
≥ 2500	.7	66.5	74.8	76.8	78.7	78.7	80.7	81.3	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6
≥ 2000	.7	67.1	75.5	77.4	79.4	79.4	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	83.2	83.2
≥ 1800	.7	67.1	75.5	77.4	79.4	79.4	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	83.2	83.2
≥ 1500	.7	67.7	77.4	79.4	81.9	81.9	83.9	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.8	85.8
≥ 1200	.7	67.7	77.4	80.0	82.6	82.6	84.5	85.2	85.2	85.8	85.8	85.8	85.8	85.8	86.5	86.5
≥ 1000	.7	68.4	78.7	82.6	85.2	85.2	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4	89.0	89.0
≥ 900	.7	68.4	78.7	82.6	85.2	85.2	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.7	89.7
≥ 800	.7	69.0	79.4	83.9	86.5	86.5	89.0	89.7	89.7	90.3	90.3	90.3	90.3	90.3	91.0	91.0
≥ 700	.7	69.0	79.4	83.9	86.5	87.1	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.9	92.9
≥ 600	.7	69.7	80.0	84.5	87.1	87.7	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 500	.7	69.7	80.0	84.5	87.1	87.7	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 400	.7	69.7	80.0	84.5	87.1	87.7	91.6	92.3	92.3	93.6	93.6	93.6	93.6	93.6	94.2	94.2
≥ 300	.7	69.7	80.0	84.5	87.7	88.4	92.3	92.9	92.9	94.2	94.8	94.8	95.5	95.5	96.1	96.1
≥ 200	.7	70.3	80.7	85.2	88.4	89.7	93.6	94.2	94.2	95.5	96.8	96.8	97.4	97.4	98.7	98.7
≥ 100	.7	70.3	80.7	85.2	88.4	89.7	93.6	94.2	94.2	95.5	96.8	96.8	97.4	97.4	98.7	99.4
0	.7	70.3	80.7	85.2	88.4	89.7	93.6	94.2	94.2	95.5	96.8	96.8	97.4	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) OCT (MONTH)

07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	41.3	43.9	48.4	49.7	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6	52.9
≥ 20000	1.9	45.2	49.0	54.2	56.8	56.8	58.1	58.1	58.1	58.7	58.7	58.7	59.4	59.4	60.0	61.3
≥ 18000	1.9	45.2	49.0	54.2	56.8	56.8	58.1	58.1	58.1	58.7	58.7	58.7	59.4	59.4	60.0	61.3
≥ 16000	1.9	45.2	49.0	54.2	56.8	56.8	58.1	58.1	58.1	58.7	58.7	58.7	59.4	59.4	60.0	61.3
≥ 14000	1.9	45.2	49.0	54.2	56.8	56.8	58.1	58.1	58.1	58.7	58.7	58.7	59.4	59.4	60.0	61.3
≥ 12000	1.9	46.5	50.3	55.5	58.1	58.1	59.4	59.4	59.4	60.0	60.0	60.0	60.7	60.7	61.3	62.6
≥ 10000	1.9	47.7	52.3	57.4	60.0	60.0	61.3	61.3	61.3	61.9	61.9	61.9	62.6	62.6	63.2	64.5
≥ 9000	1.9	49.0	53.6	58.7	61.3	61.3	62.6	62.6	62.6	63.2	63.2	63.2	63.9	63.9	64.5	65.8
≥ 8000	1.9	52.9	57.4	63.2	65.8	65.8	67.1	67.1	67.1	67.7	67.7	67.7	68.4	68.4	69.0	70.3
≥ 7000	1.9	52.9	57.4	63.2	65.8	65.8	67.1	67.1	67.1	67.7	67.7	67.7	68.4	68.4	69.0	70.3
≥ 6000	1.9	52.9	57.4	63.2	65.8	65.8	67.1	67.1	67.1	67.7	67.7	67.7	68.4	68.4	69.0	70.3
≥ 5000	1.9	54.2	58.7	64.5	67.1	67.1	68.4	68.4	68.4	69.0	69.0	69.0	69.7	69.7	70.3	71.6
≥ 4500	1.9	55.5	60.0	65.8	68.4	68.4	69.7	69.7	[illegible]	[illegible].3	70.3	70.3	71.0	71.0	71.6	72.9
≥ 4000	1.9	58.1	62.6	68.4	71.6	71.6	72.9	72.9	[illegible].9	73.6	73.6	73.6	74.2	74.2	74.8	76.1
≥ 3500	2.6	59.4	64.5	71.0	74.2	74.2	75.5	75.5	[illegible].5	76.1	76.1	76.1	76.8	76.8	77.4	78.7
≥ 3000	2.6	60.7	65.8	72.9	76.1	76.1	77.4	77.4	77.4	78.1	78.1	78.1	78.7	78.7	79.4	80.7
≥ 2500	2.6	62.6	67.7	76.1	80.0	80.0	81.3	81.3	81.3	81.9	81.9	81.9	82.6	82.6	83.2	84.5
≥ 2000	2.6	62.6	67.7	76.1	80.7	80.7	81.9	81.9	81.9	82.6	82.6	82.6	83.2	83.2	83.9	85.2
≥ 1800	2.6	62.6	67.7	76.1	80.7	80.7	81.9	81.9	81.9	82.6	82.6	82.6	83.2	83.2	83.9	85.2
≥ 1500	2.6	64.5	69.7	78.7	83.2	83.2	84.5	84.5	84.5	85.2	85.2	85.2	85.8	85.8	86.5	87.7
≥ 1200	2.6	64.5	69.7	79.4	83.9	83.9	85.2	85.2	85.2	85.8	85.8	85.8	86.5	86.5	87.1	88.4
≥ 1000	2.6	65.2	71.0	81.3	85.8	85.8	87.1	87.7	87.7	88.4	88.4	88.4	89.0	89.0	89.7	91.0
≥ 900	2.6	65.2	71.0	81.3	85.8	85.8	87.1	87.7	87.7	88.4	88.4	88.4	89.0	89.0	89.7	91.0
≥ 800	2.6	65.2	71.0	81.9	87.1	87.1	88.4	89.0	89.0	89.7	89.7	89.7	90.3	90.3	91.0	92.3
≥ 700	2.6	65.2	71.6	82.6	87.7	87.7	89.0	89.7	89.7	90.3	90.3	90.3	91.0	91.0	91.6	92.9
≥ 600	2.6	65.2	71.6	83.2	88.4	88.4	90.3	91.0	91.0	91.6	91.6	91.6	92.3	92.3	92.9	94.2
≥ 500	2.6	65.2	71.6	83.2	89.0	89.0	91.0	91.6	91.6	92.3	92.3	92.3	92.9	92.9	93.6	94.8
≥ 400	2.6	65.2	71.6	83.2	89.0	89.0	91.0	91.6	91.6	92.9	92.9	92.9	93.6	93.6	94.2	95.5
≥ 300	2.6	65.2	71.6	83.2	89.0	89.0	91.6	92.3	92.3	94.2	94.2	94.2	94.8	94.8	95.5	96.8
≥ 200	2.6	65.2	71.6	83.2	89.0	89.0	91.6	92.3	92.3	94.2	94.2	94.2	94.8	94.8	95.5	97.4
≥ 100	2.6	65.2	71.6	83.2	89.0	89.0	91.6	92.3	92.3	94.8	94.8	94.8	96.1	96.1	97.4	100.0
≥ 0	2.6	65.2	71.6	83.2	89.0	89.0	91.6	92.3	92.3	94.8	94.8	94.8	96.1	96.1	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	49.7	50.3	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	2.6	55.5	57.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	2.6	55.5	57.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	2.6	55.5	57.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	2.6	55.5	57.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	3.2	56.8	59.4	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	3.2	59.4	61.9	63.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	3.2	59.4	61.9	63.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	3.9	62.6	65.2	67.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	3.9	63.9	66.5	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	3.9	63.9	66.5	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	3.9	65.2	67.7	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	3.9	65.8	68.4	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	3.9	71.0	74.2	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	3.9	71.6	74.8	76.8	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	3.9	72.9	76.8	80.0	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	3.9	74.2	78.1	81.3	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	3.9	74.8	79.4	82.6	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	3.9	74.8	79.4	82.6	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	3.9	74.8	80.0	83.2	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	3.9	76.8	81.9	85.2	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	3.9	77.4	82.6	85.8	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	3.9	77.4	82.6	85.8	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	3.9	77.4	83.2	86.5	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	3.9	78.1	85.2	88.4	92.3	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	3.9	78.1	85.2	88.4	92.9	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	3.9	78.7	85.8	89.0	93.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	3.9	78.7	85.8	89.0	93.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	3.9	78.7	85.8	89.0	93.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 200	3.9	78.7	85.8	89.0	93.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 100	3.9	78.7	85.8	89.0	93.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.7	100.0
0	3.9	78.7	85.8	89.0	93.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	43.9	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	2.6	53.6	56.8	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	2.6	53.6	56.8	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	2.6	53.6	56.8	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	2.6	54.2	57.4	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	2.6	54.2	57.4	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	3.2	56.8	60.0	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	3.2	57.4	61.3	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	3.9	61.3	65.8	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	3.9	61.9	66.5	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	3.9	62.6	67.1	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	3.9	63.9	68.4	69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	3.9	65.2	69.7	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	3.9	68.4	72.9	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	4.5	71.6	76.1	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000	4.5	77.4	82.6	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	4.5	78.1	83.2	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	4.5	79.4	84.5	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	4.5	79.4	84.5	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	4.5	80.0	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1200	4.5	80.7	86.5	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	4.5	81.9	89.0	90.3	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	4.5	81.9	89.0	91.0	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	4.5	81.9	89.0	91.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	4.5	82.6	89.7	92.3	94.8	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	4.5	82.6	89.7	92.9	96.1	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	4.5	82.6	89.7	92.9	96.1	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	4.5	82.6	89.7	93.6	96.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	4.5	82.6	89.7	93.6	96.8	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	4.5	82.6	89.7	93.6	96.8	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	4.5	82.6	89.7	93.6	96.8	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	4.5	82.6	89.7	93.6	96.8	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	46.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	2.6	54.2	58.1	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	2.6	54.2	58.1	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	2.6	54.2	58.1	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	2.6	54.2	58.1	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	2.6	55.5	59.4	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	3.2	60.7	64.5	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	3.2	61.9	65.8	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	3.2	67.7	71.6	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	3.2	69.0	72.9	73.6	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	3.2	69.7	73.6	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	3.9	71.0	74.8	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	3.9	71.0	75.5	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	3.9	72.3	77.4	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	3.9	74.2	79.4	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	3.9	78.7	83.9	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	3.9	80.7	85.8	87.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	3.9	81.3	86.5	87.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	3.9	81.3	86.5	87.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	3.9	81.9	87.7	89.7	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	3.9	82.6	89.0	91.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	3.9	83.2	89.7	91.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	3.9	83.2	90.3	92.3	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	3.9	83.2	90.3	93.6	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	3.9	83.2	90.3	94.2	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	3.9	83.2	90.3	94.2	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	3.9	83.2	90.3	94.2	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	3.9	83.2	90.3	94.2	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	3.9	83.2	90.3	94.2	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	3.9	83.2	90.3	94.2	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	3.9	83.2	90.3	94.2	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
0	3.9	83.2	90.3	94.2	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	51.6	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	.7	57.4	60.7	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	.7	57.4	60.7	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	.7	57.4	60.7	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	.7	57.4	60.7	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	.7	57.4	60.7	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	.7	60.7	63.9	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	.7	61.9	65.2	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000	.7	67.7	72.9	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	.7	69.0	74.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	.7	69.0	74.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	.7	69.0	74.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	.7	71.0	76.8	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	.7	73.6	79.4	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	.7	74.2	80.0	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	.7	76.1	81.9	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	.7	76.8	82.6	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	.7	76.8	83.9	89.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	.7	77.4	84.5	90.3	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	.7	78.1	86.5	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	.7	78.1	87.1	93.6	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	.7	78.1	87.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	.7	78.1	87.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	.7	78.1	87.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	.7	78.7	88.4	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	.7	78.7	88.4	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	.7	78.7	88.4	95.5	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	.7	78.7	88.4	95.5	97.4	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	.7	78.7	88.4	95.5	97.4	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	.7	78.7	88.4	95.5	97.4	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.7	78.7	88.4	95.5	97.4	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	.7	78.7	88.4	95.5	97.4	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) OCT (MONTH)

22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	56.8	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	.7	61.3	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	.7	61.3	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	.7	61.3	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	.7	61.3	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	.7	61.9	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	.7	65.2	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	.7	65.2	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000	.7	67.7	72.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 7000	.7	68.4	74.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	.7	69.0	74.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	.7	69.7	75.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	.7	70.3	76.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	.7	71.6	78.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	.7	72.3	80.0	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	.7	74.8	83.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500	.7	74.8	83.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	.7	74.8	83.9	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	.7	74.8	84.5	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	.7	75.5	86.5	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	.7	76.1	87.1	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	.7	76.1	87.7	92.3	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	.7	76.8	89.0	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	.7	76.8	89.0	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	.7	76.8	89.0	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	.7	76.8	89.0	94.2	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	.7	76.8	89.0	94.2	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	.7	76.8	89.0	94.2	95.5	95.5	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	.7	76.8	89.0	94.2	95.5	95.5	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	.7	76.8	89.0	94.2	95.5	95.5	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	.7	76.8	89.0	94.2	95.5	95.5	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 0	.7	76.8	89.0	94.2	95.5	95.5	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | OCT (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	49.4	52.4	54.1	54.7	54.7	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.4	55.6
≥ 20000	1.5	54.5	58.2	60.3	61.3	61.5	61.9	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.4	62.6
≥ 18000	1.5	54.5	58.2	60.3	61.3	61.5	61.9	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.4	62.6
≥ 16000	1.5	54.5	58.2	60.3	61.3	61.5	61.9	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.4	62.6
≥ 14000	1.5	54.6	58.3	60.4	61.4	61.5	62.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.5	62.7
≥ 12000	1.6	55.3	59.1	61.2	62.2	62.3	62.8	62.9	62.9	63.1	63.1	63.1	63.2	63.2	63.3	63.5
≥ 10000	1.8	58.3	62.3	64.4	65.3	65.6	66.1	66.2	66.2	66.4	66.4	66.4	66.5	66.5	66.6	66.8
≥ 9000	1.8	58.9	62.9	65.0	66.0	66.2	66.7	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.3	67.4
≥ 8000	1.9	62.8	67.4	69.9	71.1	71.4	71.9	72.0	72.0	72.2	72.2	72.2	72.3	72.3	72.4	72.6
≥ 7000	1.9	63.5	68.3	70.8	72.0	72.3	72.7	72.9	72.9	73.1	73.1	73.1	73.2	73.2	73.3	73.5
≥ 6000	1.9	63.7	68.6	71.1	72.3	72.5	73.0	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.6	73.7
≥ 5000	2.0	64.7	69.5	72.0	73.2	73.5	74.0	74.1	74.1	74.3	74.3	74.3	74.4	74.4	74.5	74.7
≥ 4500	2.0	65.8	70.8	73.4	74.6	74.8	75.3	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.9	76.1
≥ 4000	2.0	68.2	73.6	76.3	77.7	77.9	78.4	78.6	78.6	78.7	78.7	78.7	78.8	78.8	79.0	79.1
≥ 3500	2.2	69.5	75.2	78.1	79.4	79.8	80.2	80.4	80.4	80.6	80.6	80.6	80.7	80.7	80.8	81.0
≥ 3000	2.2	72.1	78.1	81.5	82.8	83.2	83.6	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.2	84.4
≥ 2500	2.2	73.2	79.4	83.0	84.5	84.8	85.3	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.9	86.1
≥ 2000	2.2	73.6	80.2	84.0	85.8	86.1	86.8	86.9	86.9	87.1	87.1	87.1	87.2	87.2	87.3	87.5
≥ 1800	2.2	73.7	80.3	84.1	86.0	86.3	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.5	87.7
≥ 1500	2.2	74.4	81.9	86.1	88.2	88.6	89.2	89.4	89.4	89.5	89.5	89.5	89.6	89.6	89.8	89.9
≥ 1200	2.2	74.9	82.5	86.9	89.3	89.6	90.2	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.8	91.0
≥ 1000	2.2	75.5	83.6	88.2	90.7	91.0	91.7	92.0	92.0	92.2	92.2	92.2	92.3	92.3	92.4	92.6
≥ 900	2.2	75.7	83.9	88.6	91.4	91.7	92.6	92.9	92.9	93.1	93.1	93.1	93.2	93.2	93.3	93.5
≥ 800	2.2	75.7	84.1	89.3	92.1	92.4	93.3	93.6	93.6	93.8	93.8	93.8	93.9	93.9	94.0	94.2
≥ 700	2.2	76.0	84.6	89.9	92.8	93.2	94.4	94.7	94.7	95.0	95.0	95.0	95.1	95.1	95.2	95.4
≥ 600	2.2	76.1	84.8	90.2	93.3	93.8	95.1	95.4	95.4	95.7	95.7	95.7	95.8	95.8	96.0	96.1
≥ 500	2.2	76.1	84.9	90.4	93.6	94.2	95.7	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.7	96.9
≥ 400	2.2	76.1	85.0	90.6	93.8	94.4	96.1	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.5	97.7
≥ 300	2.2	76.1	85.0	90.6	94.0	94.5	96.4	97.0	97.0	97.7	97.8	97.8	98.2	98.2	98.4	98.6
≥ 200	2.2	76.2	85.1	90.7	94.0	94.7	96.5	97.2	97.2	97.9	98.2	98.2	98.6	98.6	98.9	99.1
≥ 100	2.2	76.2	85.1	90.7	94.0	94.7	96.5	97.2	97.2	98.0	98.2	98.2	98.7	98.7	99.2	99.8
0	2.2	76.2	85.1	90.7	94.0	94.7	96.5	97.2	97.2	98.0	98.2	98.2	98.7	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) NOV (MONTH) 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	61.3	63.3	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	2.0	64.7	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000	2.0	64.7	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000	2.0	64.7	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000	2.0	64.7	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000	2.0	64.7	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	2.0	69.3	71.3	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 9000	2.0	69.3	71.3	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	2.0	74.0	76.7	77.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	2.0	75.3	78.0	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	2.0	75.3	78.0	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	2.0	75.3	78.0	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	2.0	76.0	78.7	79.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	2.0	78.7	81.3	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	2.0	80.7	83.3	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	2.0	82.7	85.3	86.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	2.0	82.7	85.3	86.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	2.0	82.7	85.3	86.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	2.0	82.7	86.0	86.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	2.0	82.7	86.0	86.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	2.0	84.0	87.3	88.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	2.0	84.7	88.7	89.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	2.0	84.7	88.7	89.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	2.0	84.7	88.7	89.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	2.0	84.7	88.7	90.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600	2.0	84.7	89.3	90.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	2.0	84.7	90.0	91.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	2.0	84.7	90.7	92.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	2.0	84.7	90.7	92.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200	2.0	84.7	90.7	92.0	95.3	96.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.3
≥ 100	2.0	84.7	90.7	92.0	95.3	96.0	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	100.0
0	2.0	84.7	90.7	92.0	95.3	96.0	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH) | 04 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	56.7	58.7	58.7	58.7	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7
≥ 20000	2.0	60.7	62.7	62.7	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.7
≥ 18000	2.0	60.7	62.7	62.7	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.7
≥ 16000	2.0	60.7	62.7	62.7	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.7
≥ 14000	2.0	60.7	62.7	62.7	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.7
≥ 12000	2.0	61.3	63.3	63.3	63.3	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.3
≥ 10000	2.0	63.3	65.3	65.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.3
≥ 9000	2.0	64.0	66.0	66.0	66.0	66.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	68.0
≥ 8000	2.0	70.0	72.7	72.7	72.7	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7
≥ 7000	2.0	70.7	73.3	73.3	73.3	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3
≥ 6000	2.0	70.7	73.3	73.3	73.3	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3
≥ 5000	2.0	72.0	74.7	74.7	74.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7
≥ 4500	2.0	72.0	74.7	74.7	74.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7
≥ 4000	2.0	75.3	78.0	78.0	78.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7
≥ 3500	2.0	76.7	79.3	79.3	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	82.0
≥ 3000	2.0	77.3	80.0	80.0	80.7	80.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.3
≥ 2500	2.0	78.7	81.3	81.3	82.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.7
≥ 2000	2.0	79.3	82.7	83.3	84.0	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7
≥ 1800	2.0	79.3	82.7	83.3	84.0	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7
≥ 1500	2.0	79.3	82.7	83.3	84.0	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7
≥ 1200	2.0	80.0	83.3	84.0	84.7	84.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0
≥ 1000	2.0	82.0	86.0	86.7	87.3	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.7
≥ 900	2.0	82.0	86.0	86.7	87.3	87.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3
≥ 800	2.0	82.0	86.0	86.7	88.0	88.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	92.0
≥ 700	2.0	82.0	86.0	87.3	88.7	88.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.7
≥ 600	2.0	82.0	86.0	87.3	88.7	88.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.7
≥ 500	2.0	82.0	86.7	88.0	90.0	90.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.0
≥ 400	2.0	82.0	87.3	89.3	92.0	92.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7
≥ 300	2.0	82.0	87.3	89.3	92.0	92.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7
≥ 200	2.0	82.0	87.3	89.3	92.0	92.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.7
≥ 100	2.0	82.0	87.3	89.3	92.0	92.0	96.0	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.7	99.3
0	2.0	82.0	87.3	89.3	92.0	92.0	96.0	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) NOV (MONTH) 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	6.7	53.3	55.3	56.0	56.7	56.7	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0
≥ 20000	6.7	59.3	62.7	63.3	64.0	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0
M/V 18000	6.7	59.3	62.7	63.3	64.0	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0
M/V 16000	6.7	59.3	62.7	63.3	64.0	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0
M/V 14000	6.7	59.3	62.7	63.3	64.0	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0
M/V 12000	6.7	60.0	63.3	64.0	64.7	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.7
M/V 10000	6.7	64.0	67.3	68.7	69.3	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.3
M/V 9000	6.7	64.0	67.3	68.7	69.3	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.3
M/V 8000	6.7	67.3	70.7	72.7	73.3	74.0	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3
M/V 7000	6.7	68.0	71.3	74.0	74.7	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7
M/V 6000	6.7	68.0	71.3	74.0	74.7	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7
M/V 5000	6.7	68.0	71.3	74.0	74.7	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7
M/V 4500	6.7	69.3	72.7	75.3	76.0	76.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.0
M/V 4000	6.7	71.3	74.7	78.0	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7
M/V 3500	6.7	71.3	74.7	78.0	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7
M/V 3000	6.7	71.3	74.7	78.0	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7
M/V 2500	6.7	72.0	76.0	79.3	81.3	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.3
M/V 2000	6.7	72.7	77.3	80.7	84.0	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.0
M/V 1800	6.7	73.3	78.0	81.3	84.7	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7
M/V 1500	6.7	73.3	78.0	82.7	86.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.7
M/V 1200	6.7	73.3	78.0	82.7	86.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.7
M/V 1000	6.7	74.0	78.7	83.3	86.7	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.7	88.7	88.7	89.3
M/V 900	6.7	74.0	78.7	83.3	86.7	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.7	88.7	88.7	89.3
M/V 800	6.7	74.7	79.3	84.7	88.7	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.7	90.7	90.7	91.3
M/V 700	6.7	74.7	79.3	84.7	89.3	90.7	90.7	91.3	92.0	92.0	92.0	92.0	92.7	92.7	92.7	93.3
M/V 600	6.7	74.7	79.3	85.3	90.0	91.3	91.3	92.0	92.7	92.7	92.7	92.7	93.3	93.3	93.3	94.0
M/V 500	6.7	74.7	79.3	85.3	90.0	91.3	91.3	92.0	92.7	92.7	92.7	92.7	93.3	93.3	93.3	94.0
M/V 400	6.7	74.7	79.3	85.3	90.0	91.3	91.3	92.7	93.3	93.3	94.0	94.0	94.7	94.7	94.7	95.3
M/V 300	6.7	74.7	79.3	85.3	90.0	91.3	92.0	94.0	94.7	95.3	96.0	96.0	96.7	96.7	96.7	97.3
M/V 200	6.7	74.7	79.3	85.3	90.7	92.0	92.7	94.7	95.3	96.0	97.3	97.3	98.0	98.0	98.0	98.7
M/V 100	6.7	74.7	79.3	85.3	90.7	92.0	92.7	94.7	95.3	96.0	97.3	97.3	98.0	98.0	98.0	99.3
M/V 0	6.7	74.7	79.3	85.3	90.7	92.0	92.7	94.7	95.3	96.0	97.3	97.3	98.0	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH) | 10 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	6.7	54.0	54.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	8.0	60.0	60.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	8.0	60.0	60.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000	8.0	60.0	60.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 14000	8.0	60.0	60.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	8.0	60.7	61.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	8.0	64.0	64.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000	8.0	64.7	65.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	8.0	69.3	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	8.0	71.3	72.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000	8.0	72.0	73.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	8.0	72.7	74.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	8.0	74.7	76.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	8.0	75.3	76.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	8.0	76.7	78.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	8.0	77.3	79.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	8.0	77.3	79.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	8.0	78.7	80.7	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	8.0	78.7	80.7	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1500	8.0	79.3	81.3	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	8.0	79.3	81.3	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	8.0	80.0	82.7	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	8.0	80.0	82.7	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	8.0	80.0	82.7	88.0	88.0	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 700	8.0	80.0	82.7	88.0	88.7	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	8.0	80.0	82.7	88.0	88.7	90.7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	8.0	80.0	82.7	88.0	88.7	90.7	92.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 400	8.0	80.7	83.3	89.3	90.0	92.0	93.3	95.3	95.3	96.0	96.0	96.0	96.7	96.7	96.7	96.7
≥ 300	8.0	80.7	83.3	89.3	90.0	92.7	94.0	96.7	96.7	97.3	97.3	97.3	98.7	99.3	100.0	100.0
≥ 200	8.0	80.7	83.3	89.3	90.0	92.7	94.0	96.7	96.7	97.3	97.3	97.3	98.7	99.3	100.0	100.0
≥ 100	8.0	80.7	83.3	89.3	90.0	92.7	94.0	96.7	96.7	97.3	97.3	97.3	98.7	99.3	100.0	100.0
0	8.0	80.7	83.3	89.3	90.0	92.7	94.0	96.7	96.7	97.3	97.3	97.3	98.7	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) NOV (MONTH)

13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.3	48.7	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	8.0	56.7	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	8.0	56.7	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	8.0	56.7	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	8.0	56.7	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	8.0	57.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	8.0	63.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	8.0	64.0	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000	8.0	67.3	69.3	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	8.0	68.7	70.7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	8.0	68.7	70.7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.7	72.7
≥ 5000	8.0	70.0	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0	74.0
≥ 4500	8.0	70.0	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0	74.0
≥ 4000	8.0	74.7	77.3	78.0	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	80.0	80.0
≥ 3500	8.7	76.0	79.3	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.7	82.7
≥ 3000	8.7	80.7	84.7	86.0	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0
≥ 2500	8.7	80.7	84.7	86.0	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0
≥ 2000	8.7	81.3	85.3	86.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.7	88.7
≥ 1800	8.7	81.3	86.0	87.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3	89.3
≥ 1500	8.7	82.0	87.3	88.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.7	90.7
≥ 1200	8.7	82.0	87.3	88.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.7	90.7
≥ 1000	8.7	82.0	87.3	89.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	91.3
≥ 900	8.7	82.0	88.0	90.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	92.0	92.0
≥ 800	8.7	82.0	88.7	90.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.7	92.7
≥ 700	8.7	82.0	88.7	90.7	91.3	91.3	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	94.0	94.0
≥ 600	8.7	82.0	88.7	90.7	91.3	91.3	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	94.0	94.0
≥ 500	8.7	82.0	88.7	90.7	93.3	93.3	94.7	94.7	94.7	95.3	96.0	96.0	96.0	96.0	96.7	96.7
≥ 400	8.7	82.0	88.7	90.7	93.3	93.3	96.0	96.7	96.7	98.0	98.7	98.7	98.7	98.7	99.3	99.3
≥ 300	8.7	82.0	88.7	90.7	93.3	93.3	96.0	96.7	96.7	98.0	98.7	98.7	98.7	98.7	100.0	100.0
≥ 200	8.7	82.0	88.7	90.7	93.3	93.3	96.0	96.7	96.7	98.0	98.7	98.7	98.7	98.7	100.0	100.0
≥ 100	8.7	82.0	88.7	90.7	93.3	93.3	96.0	96.7	96.7	98.0	98.7	98.7	98.7	98.7	100.0	100.0
≥ 0	8.7	82.0	88.7	90.7	93.3	93.3	96.0	96.7	96.7	98.0	98.7	98.7	98.7	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.3	47.3	48.0	48.0	48.0	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	8.0	58.0	58.7	58.7	58.7	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	8.0	58.0	58.7	58.7	58.7	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	8.0	58.0	58.7	58.7	58.7	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	8.0	58.0	58.7	58.7	58.7	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	8.0	59.3	60.0	60.0	60.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	8.0	65.3	66.0	66.0	66.7	66.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000	8.0	66.0	66.7	66.7	67.3	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	8.0	71.3	72.7	72.7	73.3	73.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	8.0	73.3	74.7	74.7	75.3	75.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	8.0	74.0	75.3	75.3	76.0	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	8.0	75.3	76.7	76.7	77.3	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	8.0	77.3	79.3	79.3	80.0	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	8.0	80.7	84.0	84.0	84.7	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	8.0	82.0	85.3	85.3	86.0	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	8.0	82.7	86.7	87.3	88.0	88.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	8.0	82.7	86.7	88.0	88.7	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	8.0	82.7	86.7	88.0	88.7	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	8.0	83.3	87.3	88.7	89.3	89.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	8.0	84.0	88.0	89.3	90.0	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	8.0	84.0	88.0	89.3	90.0	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	8.0	84.0	88.0	89.3	90.0	90.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	8.0	84.0	88.0	90.0	90.7	90.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	8.0	84.0	88.0	90.0	90.7	90.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	8.0	84.0	88.0	90.7	91.3	91.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	8.0	84.0	88.0	90.7	91.3	91.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	8.0	84.7	88.7	91.3	92.7	92.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	8.0	84.7	88.7	91.3	92.7	92.7	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	8.0	84.7	88.7	91.3	92.7	92.7	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	8.0	84.7	88.7	91.3	92.7	92.7	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3
≥ 100	8.0	84.7	88.7	91.3	92.7	92.7	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	99.3	100.0
0	8.0	84.7	88.7	91.3	92.7	92.7	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	51.3	53.3	54.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	.7	60.7	62.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	.7	60.7	62.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	.7	60.7	62.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	.7	60.7	62.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	.7	61.3	63.3	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	.7	64.7	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	.7	64.7	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	.7	70.0	72.0	73.3	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	.7	70.7	72.7	74.0	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000	.7	70.7	72.7	74.0	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000	.7	71.3	73.3	74.7	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	.7	74.7	76.7	78.0	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	.7	80.0	82.7	84.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	.7	80.0	83.3	85.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	.7	80.7	84.0	86.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	.7	80.7	84.0	86.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	.7	80.7	84.0	86.7	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	.7	80.7	84.0	86.7	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	.7	80.7	84.7	87.3	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200	.7	80.7	85.3	88.0	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	.7	82.0	86.7	89.3	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	.7	82.0	86.7	89.3	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	.7	82.0	86.7	89.3	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	.7	82.0	86.7	89.3	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600	.7	82.0	86.7	89.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	.7	82.0	86.7	89.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400	.7	82.0	86.7	89.3	93.3	93.3	94.7	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 300	.7	82.0	86.7	89.3	93.3	93.3	94.7	95.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0
≥ 200	.7	82.0	86.7	89.3	93.3	93.3	95.3	96.0	96.0	97.3	98.0	98.7	98.7	98.7	98.7	99.3
≥ 100	.7	82.0	86.7	89.3	93.3	93.3	95.3	96.0	96.0	97.3	98.0	98.7	98.7	98.7	98.7	100.0
0	.7	82.0	86.7	89.3	93.3	93.3	95.3	96.0	96.0	97.3	98.0	98.7	98.7	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	56.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	.7	60.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	.7	60.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	.7	60.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	.7	60.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	.7	60.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	.7	65.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	.7	65.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	.7	70.7	73.3	74.0	74.0	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	.7	73.3	76.0	76.7	76.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	.7	73.3	76.0	76.7	76.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	.7	74.0	76.7	77.3	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	.7	76.7	79.3	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	.7	78.7	82.0	82.7	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	.7	80.0	84.0	84.7	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	.7	82.7	86.7	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	.7	82.7	86.7	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	.7	82.7	86.7	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	.7	82.7	86.7	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	.7	82.7	86.7	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	.7	83.3	87.3	88.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	.7	83.3	87.3	88.7	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	.7	83.3	88.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	.7	84.0	89.3	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	.7	84.0	89.3	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	.7	84.0	89.3	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	.7	84.0	90.0	91.3	92.0	92.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400	.7	84.0	90.0	91.3	92.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 300	.7	84.0	90.0	91.3	92.0	93.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 200	.7	84.0	90.0	91.3	92.7	94.0	94.7	96.0	96.0	97.3	98.0	98.0	98.0	98.0	98.7	98.7
≥ 100	.7	84.0	90.0	91.3	92.7	94.0	94.7	96.0	96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0
0	.7	84.0	90.0	91.3	92.7	94.0	94.7	96.0	96.0	98.0	99.3	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | NOV (MONTH) | ALL (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.2	53.7	55.2	55.9	56.3	56.3	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
≥ 20000	4.5	60.0	61.7	62.5	62.9	63.0	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6
< 20000 ≥ 18000	4.5	60.0	61.8	62.6	63.0	63.1	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7
< 18000 ≥ 16000	4.5	60.0	61.8	62.6	63.0	63.1	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7
< 16000 ≥ 14000	4.5	60.0	61.8	62.6	63.0	63.1	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7
< 14000 ≥ 12000	4.5	60.6	62.4	63.3	63.7	63.8	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3
< 12000 ≥ 10000	4.5	64.9	66.8	67.8	68.3	68.3	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9
< 10000 ≥ 9000	4.5	65.3	67.2	68.1	68.7	68.8	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
< 9000 ≥ 8000	4.5	70.0	72.2	73.3	73.9	74.0	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8
< 8000 ≥ 7000	4.5	71.4	73.7	74.8	75.5	75.6	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
< 7000 ≥ 6000	4.5	71.6	73.8	75.1	75.8	75.8	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.5	76.7
< 6000 ≥ 5000	4.5	72.3	74.6	75.8	76.5	76.6	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.4
< 5000 ≥ 4500	4.5	73.8	76.2	77.4	78.1	78.2	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0
< 4500 ≥ 4000	4.5	76.8	79.6	81.0	81.8	81.8	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.8
< 4000 ≥ 3500	4.6	77.9	80.9	82.4	83.2	83.3	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.2
< 3500 ≥ 3000	4.6	79.4	82.7	84.3	85.1	85.2	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.2
< 3000 ≥ 2500	4.6	79.7	83.0	84.7	85.7	85.8	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.8
< 2500 ≥ 2000	4.6	80.1	83.6	85.5	86.7	86.8	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.9
< 2000 ≥ 1800	4.6	80.3	83.9	85.8	87.0	87.2	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.3
< 1800 ≥ 1500	4.6	80.5	84.3	86.5	87.7	87.8	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.1
< 1500 ≥ 1200	4.6	80.8	84.8	86.9	88.1	88.3	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.6
< 1200 ≥ 1000	4.6	81.5	85.7	88.0	89.4	89.6	90.4	90.6	90.7	90.7	90.7	90.7	90.8	90.8	90.8	91.0
< 1000 ≥ 900	4.6	81.5	85.9	88.3	89.8	90.0	90.9	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.5
< 900 ≥ 800	4.6	81.7	86.2	88.7	90.3	90.6	91.6	91.8	91.8	91.8	91.8	91.8	91.9	91.9	92.0	92.2
< 800 ≥ 700	4.6	81.7	86.2	88.9	90.8	91.2	92.3	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.9	93.1
< 700 ≥ 600	4.6	81.7	86.3	89.1	91.0	91.5	92.7	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.5	93.7
< 600 ≥ 500	4.6	81.8	86.6	89.4	91.8	92.4	93.7	94.3	94.3	94.5	94.6	94.6	94.7	94.7	94.8	94.9
< 500 ≥ 400	4.6	81.8	86.8	89.8	92.3	93.0	94.6	95.5	95.7	96.0	96.2	96.3	96.4	96.4	96.5	96.7
< 400 ≥ 300	4.6	81.8	86.8	89.8	92.3	93.1	94.9	96.0	96.2	96.8	97.0	97.1	97.3	97.4	97.7	97.8
< 300 ≥ 200	4.6	81.8	86.8	89.8	92.5	93.3	95.4	96.7	96.8	97.6	98.0	98.1	98.3	98.4	98.9	99.3
< 200 ≥ 100	4.6	81.8	86.8	89.8	92.5	93.3	95.4	96.7	96.8	97.7	98.2	98.3	98.7	98.8	99.3	99.8
< 100 ≥ 0	4.6	81.8	86.8	89.8	92.5	93.3	95.4	96.7	96.8	97.7	98.2	98.3	98.7	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH) | 01 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	49.0	49.0	49.0	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	.7	51.6	52.9	52.9	53.6	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	.7	51.6	52.9	52.9	53.6	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	.7	51.6	52.9	52.9	53.6	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	.7	51.6	52.9	52.9	53.6	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	.7	51.6	52.9	52.9	53.6	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	.7	55.5	57.4	58.1	58.7	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	.7	55.5	57.4	58.1	58.7	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	.7	58.7	60.7	61.3	62.6	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	.7	59.4	61.3	61.9	63.2	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	.7	60.7	62.6	63.2	64.5	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	.7	62.6	64.5	65.2	66.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	.7	66.5	68.4	69.0	70.3	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	.7	72.3	74.8	75.5	76.8	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	.7	72.3	75.5	76.1	77.4	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	.7	74.2	77.4	78.1	79.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	.7	77.4	80.7	81.3	82.6	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	.7	78.1	81.3	81.9	83.2	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	.7	78.1	81.3	81.9	83.2	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	.7	78.7	81.9	83.2	84.5	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	.7	79.4	83.2	84.5	86.5	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	.7	80.0	83.9	85.8	87.7	87.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	.7	80.0	83.9	85.8	87.7	87.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	.7	80.0	83.9	86.5	88.4	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	.7	80.7	84.5	87.1	89.7	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	.7	81.3	86.5	89.0	91.6	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	.7	81.3	86.5	89.0	92.9	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	.7	81.3	86.5	89.0	93.6	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	.7	81.3	86.5	89.0	93.6	93.6	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	.7	81.3	86.5	89.0	93.6	94.2	96.8	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	.7	81.3	86.5	89.0	93.6	94.2	96.8	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0
0	.7	81.3	86.5	89.0	93.6	94.2	96.8	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	.7	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	.7	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	.7	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	.7	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	.7	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	.7	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	.7	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	.7	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	.7	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	.7	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	.7	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500	.7	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	.7	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	.7	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	.7	72.9	74.8	74.8	76.1	76.1	76.1	76.1	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	.7	73.6	75.5	75.5	76.8	76.8	76.8	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	.7	75.5	77.4	77.4	78.7	78.7	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	.7	75.5	77.4	77.4	78.7	78.7	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	.7	76.1	78.1	79.4	81.3	81.3	81.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	.7	76.8	78.7	80.0	81.9	81.9	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1000	.7	77.4	79.4	81.3	83.2	83.2	83.2	83.2	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900	.7	78.7	80.7	82.6	84.5	84.5	84.5	84.5	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	.7	79.4	81.3	83.2	85.2	85.2	85.2	85.2	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	.7	79.4	81.9	83.9	86.5	86.5	87.1	87.1	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	.7	80.0	82.6	84.5	87.1	87.1	87.7	87.7	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 500	.7	80.7	83.2	85.2	88.4	89.0	89.7	89.7	90.3	91.6	91.6	91.6	91.6	91.6	92.3	92.3
≥ 400	.7	80.7	83.2	85.2	89.7	91.0	91.6	92.3	92.9	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 300	.7	80.7	83.2	85.2	91.0	92.3	93.6	94.2	94.8	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 200	.7	80.7	83.2	85.2	91.6	92.9	94.2	94.8	95.5	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 100	.7	80.7	83.2	85.2	91.6	92.9	94.2	95.5	96.1	98.1	98.1	98.1	98.1	98.7	99.4	99.4
0	.7	80.7	83.2	85.2	91.6	92.9	94.2	95.5	96.1	98.1	98.1	98.1	98.1	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH) | 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	42.6	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	1.9	47.1	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	1.9	47.1	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	1.9	47.1	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	1.9	47.1	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	1.9	48.4	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	1.9	55.5	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	1.9	56.1	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	1.9	61.9	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	1.9	61.9	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	1.9	62.6	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	1.9	64.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	1.9	67.7	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	1.9	69.7	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	1.9	69.7	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	1.9	70.3	74.8	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	1.9	72.3	76.8	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	1.9	72.3	77.4	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	1.9	72.3	77.4	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	1.9	72.9	78.1	81.3	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200	1.9	73.6	78.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000	1.9	74.2	79.4	82.6	83.9	83.9	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900	1.9	74.2	79.4	82.6	83.9	83.9	84.5	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 800	1.9	74.2	81.3	84.5	85.8	85.8	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	1.9	75.5	82.6	86.5	87.7	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	1.9	76.1	83.9	87.7	89.0	89.0	90.3	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	1.9	76.1	83.9	88.4	90.3	91.0	92.3	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	1.9	76.1	84.5	89.0	91.0	91.6	93.6	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	1.9	76.1	84.5	89.0	91.0	91.6	94.2	96.1	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	1.9	76.1	84.5	89.0	91.0	91.6	94.2	96.8	97.4	97.4	98.7	98.7	99.4	99.4	99.4	99.4
≥ 100	1.9	76.1	84.5	89.0	91.0	91.6	94.2	96.8	97.4	97.4	98.7	98.7	99.4	99.4	99.4	100.0
0	1.9	76.1	84.5	89.0	91.0	91.6	94.2	96.8	97.4	97.4	98.7	98.7	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.2	40.0	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	4.5	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6
≥ 18000	4.5	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6
≥ 16000	4.5	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6
≥ 14000	4.5	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6
≥ 12000	4.5	52.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	54.2	54.2	54.2	54.2
≥ 10000	5.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	58.1	58.1	58.1	58.1
≥ 9000	5.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	58.1	58.1	58.1	58.1
≥ 8000	5.2	63.9	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1
≥ 7000	5.2	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.7	67.7	67.7	67.7
≥ 6000	5.2	66.5	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3
≥ 5000	5.2	67.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6
≥ 4500	5.2	71.0	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5
≥ 4000	5.2	72.3	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4
≥ 3500	5.2	72.3	75.5	76.1	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1
≥ 3000	5.2	73.6	76.8	78.1	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 2500	5.2	74.2	78.1	80.0	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6
≥ 2000	5.2	75.5	81.3	84.5	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1
≥ 1800	5.2	75.5	81.3	84.5	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1
≥ 1500	5.2	76.1	81.9	85.2	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7
≥ 1200	5.2	76.1	81.9	85.8	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4
≥ 1000	5.2	76.8	82.6	86.5	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.7	89.7	89.7	89.7
≥ 900	5.2	76.8	82.6	86.5	87.7	87.7	88.4	89.0	89.0	89.0	89.7	89.7	90.3	90.3	90.3	90.3
≥ 800	5.2	77.4	83.2	87.7	89.0	89.0	89.7	90.3	90.3	90.3	91.0	91.0	91.6	91.6	91.6	91.6
≥ 700	5.2	77.4	83.2	87.7	89.7	89.7	90.3	91.0	91.0	91.0	91.6	91.6	92.3	92.3	92.3	92.3
≥ 600	5.2	78.1	83.9	88.4	90.3	90.3	91.0	91.6	91.6	91.6	92.3	92.3	92.9	92.9	92.9	92.9
≥ 500	5.2	78.1	83.9	88.4	90.3	90.3	91.0	91.6	91.6	91.6	92.9	92.9	93.6	93.6	93.6	93.6
≥ 400	5.2	78.1	83.9	89.0	91.0	91.0	92.3	93.6	93.6	93.6	94.8	94.8	95.5	95.5	95.5	95.5
≥ 300	5.2	78.1	83.9	89.0	91.6	91.6	93.6	94.8	94.8	94.8	96.1	96.1	96.8	97.4	97.4	97.4
≥ 200	5.2	78.1	83.9	89.0	91.6	91.6	93.6	95.5	95.5	95.5	97.4	97.4	98.7	99.4	99.4	99.4
≥ 100	5.2	78.1	83.9	89.0	91.6	91.6	93.6	95.5	95.5	95.5	97.4	97.4	98.7	99.4	99.4	100.0
0	5.2	78.1	83.9	89.0	91.6	91.6	93.6	95.5	95.5	95.5	97.4	97.4	98.7	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH) | 13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	45.8	46.5	47.1	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	3.9	54.2	54.8	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	3.9	54.2	54.8	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	3.9	54.2	54.8	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	3.9	54.2	54.8	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	3.9	54.8	55.5	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	3.9	57.4	58.1	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	3.9	59.4	60.0	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	3.9	63.9	65.2	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	3.9	64.5	65.8	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	3.9	65.2	67.1	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	3.9	66.5	68.4	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	3.9	67.7	69.7	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	3.9	70.3	72.3	73.6	74.2	74.8	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	3.9	72.3	74.2	75.5	76.1	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	3.9	73.6	75.5	77.4	78.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	3.9	76.1	78.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	3.9	76.1	78.1	80.0	81.3	81.9	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	3.9	76.1	78.1	80.0	81.3	81.9	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	3.9	78.1	80.0	81.9	83.9	84.5	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	3.9	78.1	80.7	83.2	85.2	86.5	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	3.9	78.7	81.9	84.5	87.1	88.4	89.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	3.9	78.7	82.6	85.2	87.7	89.7	91.6	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	3.9	78.7	82.6	85.2	87.7	89.7	91.6	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	3.9	78.7	83.2	85.8	88.4	90.3	92.3	92.9	92.9	92.9	93.6	93.6	93.6	93.6	94.2	94.2
≥ 600	3.9	78.7	83.2	86.5	89.0	91.0	92.9	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.8	94.8
≥ 500	3.9	79.4	83.9	87.1	89.7	91.6	93.6	94.8	94.8	94.8	95.5	95.5	95.5	95.5	96.1	96.1
≥ 400	3.9	79.4	83.9	87.1	90.3	92.3	94.2	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.8	96.8
≥ 300	3.9	79.4	83.9	87.1	90.3	92.3	94.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	98.1	98.1
≥ 200	3.9	79.4	83.9	87.1	90.3	92.3	94.8	96.8	96.8	96.8	97.4	97.4	98.1	98.1	98.7	99.4
≥ 100	3.9	79.4	83.9	87.1	90.3	92.3	94.8	96.8	96.8	97.4	98.1	98.1	98.7	98.7	99.4	100.0
≥ 0	3.9	79.4	83.9	87.1	90.3	92.3	94.8	96.8	96.8	97.4	98.1	98.1	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.6	38.1	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	3.9	49.0	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	3.9	49.7	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	3.9	49.7	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	3.9	49.7	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	3.9	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	4.5	57.4	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	4.5	58.1	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	4.5	63.2	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	4.5	63.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	4.5	63.9	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	4.5	67.1	68.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	4.5	69.0	70.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	4.5	72.3	73.6	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	4.5	73.6	76.1	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	4.5	74.2	76.8	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	4.5	74.8	77.4	80.0	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	4.5	76.8	80.0	83.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	4.5	77.4	80.7	83.9	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	4.5	78.1	81.9	85.2	87.1	87.1	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	4.5	79.4	83.9	87.1	89.0	89.7	90.3	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	4.5	79.4	83.9	87.1	89.0	89.7	90.3	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	4.5	79.4	83.9	87.1	89.0	89.7	90.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	4.5	79.4	83.9	87.1	89.7	90.3	91.0	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	4.5	79.4	83.9	87.7	90.3	91.0	91.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	4.5	79.4	83.9	88.4	91.0	91.6	92.3	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	4.5	79.4	83.9	88.4	91.0	91.6	92.9	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	4.5	79.4	83.9	88.4	91.0	91.6	93.6	95.5	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 300	4.5	79.4	83.9	88.4	91.0	91.6	93.6	95.5	95.5	96.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 200	4.5	79.4	83.9	88.4	91.0	91.6	94.2	96.1	96.1	97.4	97.4	97.4	98.7	98.7	98.7	99.4
≥ 100	4.5	79.4	83.9	88.4	91.0	91.6	94.2	96.1	96.1	97.4	97.4	97.4	98.7	98.7	98.7	99.4
0	4.5	79.4	83.9	88.4	91.0	91.6	94.2	96.1	96.1	97.4	97.4	97.4	98.7	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) DEC (MONTH) 19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	1.3	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	1.3	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	1.3	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	1.3	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	1.3	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	1.3	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	1.3	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	1.3	67.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	1.3	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	1.3	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	1.3	69.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	1.3	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	1.3	73.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	1.3	73.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000	1.3	75.5	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	1.3	76.8	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	1.3	77.4	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	1.3	77.4	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	1.3	79.4	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	1.3	80.0	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	1.3	81.3	87.1	88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	1.3	81.3	87.1	89.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 800	1.3	81.3	87.1	89.7	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	1.3	81.3	87.7	90.3	91.6	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	1.3	81.3	87.7	90.3	91.6	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	1.3	81.3	87.7	91.0	92.3	93.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	1.3	81.3	87.7	91.0	92.3	93.6	96.8	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	1.3	81.3	87.7	91.0	92.3	93.6	96.8	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	1.3	81.3	87.7	91.0	92.3	93.6	96.8	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.3	81.3	87.7	91.0	92.3	93.6	96.8	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	1.3	81.3	87.7	91.0	92.3	93.6	96.8	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	.7	52.9	52.9	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	.7	52.9	52.9	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	.7	52.9	52.9	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	.7	52.9	52.9	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	.7	53.6	53.6	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	.7	58.1	59.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	.7	58.1	59.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	.7	64.5	65.8	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	.7	65.8	67.1	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	.7	66.5	67.7	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	.7	67.1	69.0	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	.7	70.3	72.3	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	.7	73.6	75.5	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	.7	74.2	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	.7	76.8	78.7	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	.7	77.4	80.0	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	.7	78.7	83.2	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	.7	79.4	83.9	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	.7	80.0	84.5	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	.7	80.0	84.5	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	.7	80.7	85.2	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	.7	80.7	85.2	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	.7	80.7	85.2	87.7	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	.7	80.7	85.8	88.4	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	.7	81.9	87.1	90.3	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	.7	81.9	87.1	90.3	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	.7	81.9	87.7	91.0	94.2	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	.7	81.9	87.7	91.0	94.2	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	.7	81.9	87.7	91.0	94.2	94.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4
≥ 100	.7	81.9	87.7	91.0	94.2	94.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	100.0
≥ 0	.7	81.9	87.7	91.0	94.2	94.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) DEC (MONTH) ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	45.2	46.0	46.2	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	2.2	51.7	52.6	52.9	53.2	53.3	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	2.2	51.8	52.7	53.0	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 16000	2.2	51.8	52.7	53.0	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 14000	2.2	51.9	52.7	53.1	53.4	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.8	53.8	53.8	53.8
≥ 12000	2.2	53.1	54.0	54.3	54.6	54.7	54.8	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.0
≥ 10000	2.3	57.7	59.0	59.4	59.8	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2
≥ 9000	2.3	58.1	59.4	59.8	60.2	60.2	60.4	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.6	60.6
≥ 8000	2.3	63.1	64.8	65.2	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1
≥ 7000	2.3	63.7	65.4	65.9	66.3	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7
≥ 6000	2.3	64.4	66.3	66.9	67.3	67.3	67.5	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7
≥ 5000	2.3	66.2	68.2	68.8	69.2	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.6
≥ 4500	2.3	68.9	71.0	71.6	72.3	72.3	72.5	72.5	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	2.3	71.9	74.4	75.2	75.8	75.9	76.1	76.1	76.1	76.1	76.2	76.2	76.3	76.3	76.3	76.3
≥ 3500	2.3	72.3	75.3	76.1	76.8	76.9	77.0	77.1	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	2.3	73.9	76.9	77.9	79.0	79.0	79.2	79.4	79.4	79.5	79.6	79.6	79.7	79.7	79.7	79.7
≥ 2500	2.3	75.3	78.6	79.7	80.8	80.9	81.1	81.3	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6
≥ 2000	2.3	76.3	80.2	81.8	83.0	83.1	83.3	83.6	83.6	83.7	83.9	83.9	84.0	84.0	84.0	84.0
≥ 1800	2.3	76.5	80.3	81.9	83.2	83.2	83.5	83.7	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.1
≥ 1500	2.3	77.4	81.5	83.5	84.8	85.0	85.4	85.7	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	2.3	77.9	82.2	84.4	85.8	86.1	86.5	86.8	86.9	87.0	87.2	87.2	87.3	87.3	87.3	87.3
≥ 1000	2.3	78.6	82.9	85.3	86.9	87.3	87.9	88.3	88.4	88.6	88.8	88.8	88.9	88.9	88.9	88.9
≥ 900	2.3	78.7	83.2	85.7	87.3	87.7	88.5	89.0	89.1	89.4	89.6	89.6	89.7	89.7	89.7	89.7
≥ 800	2.3	78.9	83.6	86.5	88.2	88.7	89.5	90.1	90.2	90.4	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700	2.3	79.1	84.1	87.2	89.3	89.8	90.9	91.5	91.5	91.8	92.0	92.0	92.1	92.1	92.2	92.2
≥ 600	2.3	79.6	84.8	88.2	90.3	90.9	92.1	92.7	92.8	93.2	93.4	93.4	93.5	93.5	93.6	93.6
≥ 500	2.3	79.8	85.0	88.5	91.0	91.7	93.0	93.8	94.0	94.3	94.6	94.6	94.7	94.7	94.8	94.8
≥ 400	2.3	79.8	85.2	88.7	91.6	92.4	94.1	95.2	95.3	95.7	96.1	96.1	96.2	96.2	96.4	96.4
≥ 300	2.3	79.8	85.2	88.7	91.9	92.7	94.8	96.0	96.1	96.6	97.0	97.0	97.2	97.3	97.4	97.4
≥ 200	2.3	79.8	85.2	88.7	91.9	92.8	95.2	96.8	96.9	97.6	98.3	98.3	98.8	98.9	99.0	99.3
≥ 100	2.3	79.8	85.2	88.7	91.9	92.8	95.2	96.9	97.0	97.7	98.5	98.5	99.0	99.1	99.3	99.8
0	2.3	79.8	85.2	88.7	91.9	92.8	95.2	96.9	97.0	97.7	98.5	98.5	99.0	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | 73-77 (YEARS) | ALL (MONTH) | ALL (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.2	44.2	47.5	49.6	51.1	51.3	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	1.3	51.2	55.2	57.7	59.8	60.0	60.6	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	61.0
≥ 18000	1.3	51.2	55.2	57.8	59.8	60.1	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	61.0	61.0
≥ 16000	1.3	51.2	55.2	57.8	59.8	60.1	60.7	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.1
≥ 14000	1.3	51.5	55.5	58.1	60.1	60.4	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.3
≥ 12000	1.3	52.5	56.7	59.3	61.4	61.6	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6
≥ 10000	1.3	56.4	61.0	64.0	66.3	66.6	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7
≥ 9000	1.3	56.8	61.4	64.3	66.7	67.0	67.7	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.1
≥ 8000	1.4	60.8	66.0	69.4	72.0	72.3	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.5
≥ 7000	1.4	61.5	66.8	70.2	72.8	73.1	73.9	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.3
≥ 6000	1.4	61.9	67.2	70.6	73.2	73.5	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7
≥ 5000	1.4	62.8	68.2	71.7	74.4	74.8	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0
≥ 4500	1.4	64.2	69.8	73.3	76.1	76.5	77.3	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.7	77.8
≥ 4000	1.4	66.4	72.2	76.1	79.0	79.4	80.3	80.5	80.5	80.6	80.6	80.6	80.6	80.7	80.7	80.8
≥ 3500	1.4	67.2	73.1	77.0	80.0	80.4	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.8	81.8
≥ 3000	1.4	69.2	75.6	79.9	83.1	83.6	84.6	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.1
≥ 2500	1.4	70.1	76.7	81.2	84.5	84.9	86.0	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.5
≥ 2000	1.4	70.9	77.7	82.4	85.9	86.4	87.5	87.8	87.8	87.9	87.9	87.9	87.9	88.0	88.0	88.1
≥ 1800	1.4	71.1	77.9	82.7	86.2	86.7	87.8	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.4
≥ 1500	1.4	71.9	79.1	84.0	87.8	88.3	89.5	89.7	89.8	89.9	90.0	90.0	90.0	90.0	90.1	90.1
≥ 1200	1.4	72.4	79.7	84.8	88.6	89.2	90.4	90.7	90.7	90.9	90.9	90.9	91.0	91.0	91.0	91.1
≥ 1000	1.4	72.9	80.4	85.8	89.9	90.5	91.8	92.2	92.2	92.4	92.4	92.4	92.5	92.5	92.6	92.6
≥ 900	1.4	73.0	80.7	86.2	90.3	91.0	92.4	92.7	92.7	92.9	93.0	93.0	93.0	93.1	93.1	93.2
≥ 800	1.4	73.3	81.0	86.7	91.0	91.7	93.1	93.5	93.5	93.7	93.8	93.8	93.9	93.9	93.9	94.0
≥ 700	1.4	73.4	81.3	87.1	91.6	92.4	93.9	94.3	94.4	94.6	94.7	94.7	94.7	94.7	94.8	94.9
≥ 600	1.4	73.5	81.5	87.5	92.1	93.0	94.6	95.0	95.1	95.3	95.4	95.4	95.5	95.5	95.6	95.7
≥ 500	1.4	73.6	81.7	87.8	92.7	93.6	95.4	96.0	96.0	96.3	96.4	96.4	96.5	96.5	96.6	96.7
≥ 400	1.4	73.6	81.8	88.0	93.1	94.1	96.0	96.7	96.8	97.1	97.3	97.3	97.5	97.5	97.6	97.7
≥ 300	1.4	73.7	81.9	88.1	93.2	94.3	96.4	97.2	97.2	97.7	97.9	97.9	98.2	98.2	98.4	98.5
≥ 200	1.4	73.7	81.9	88.1	93.3	94.4	96.5	97.4	97.5	98.0	98.4	98.4	98.8	98.8	99.1	99.2
≥ 100	1.4	73.7	81.9	88.1	93.3	94.4	96.5	97.4	97.5	98.1	98.5	98.5	99.0	99.0	99.4	99.8
0	1.4	73.7	81.9	88.1	93.3	94.4	96.5	97.4	97.5	98.1	98.5	98.5	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 14608

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

SKY COVER

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 PERIOD — JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	01	28.4	1.9	5.8	5.2	3.9	1.9	2.6	3.2	1.9	2.6	42.6	5.6	155
	04	31.6	1.9	5.8	4.5	5.8	3.2	1.9	1.3	1.9	1.3	40.6	5.2	155
	07	16.8	8.4	5.2	5.8	4.5	1.3	4.5	8.4	3.2	3.2	40.6	6.1	155
	10	12.9	5.2	7.1	3.9	2.6	1.9	3.9	3.2	7.1	6.5	45.8	6.7	155
	13	12.9	4.5	5.2	2.6	3.2	.6	2.6	3.2	10.3	8.4	46.5	7.0	155
	16	11.6	5.2	4.5	5.2	4.5	3.9	3.2	3.9	7.7	1.9	48.4	6.8	155
	19	20.0	3.9	5.8	5.2	3.9	1.3	3.2	4.5	3.9	3.9	44.5	6.1	155
	22	27.1	3.2	4.5	5.8	3.2	1.9	5.2	1.9	7.1	1.3	38.7	5.5	155
TOTALS		19.9	4.3	5.5	4.8	4.0	2.0	3.4	3.7	5.4	3.6	43.5	6.1	1240

NAVWEASERVCOM

5704 SKY COVER JAN 68

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	01	30.5	2.1	7.1	3.5	4.3	2.1	6.4	5.0	3.5	2.1	33.3	5.1	141
	04	28.4	5.7	4.3	2.1	1.4	2.1	2.8	5.0	8.5	5.0	34.8	5.5	141
	07	15.6	9.2	10.6	3.5	2.1	2.1	2.1	7.1	7.1	3.5	36.9	5.8	141
	10	20.6	2.8	1.4	4.3	7.1	2.1	1.4	6.4	7.1	5.0	41.8	6.3	141
	13	15.6	2.8	5.0	.7	3.5	8.5	4.3	5.0	9.9	6.4	38.3	6.5	141
	16	16.3	5.0	4.3	4.3	3.5	5.0	2.1	5.0	8.5	5.7	40.4	6.4	141
	19	20.6	7.8	6.4	5.0	5.0	2.1	4.3	5.0	5.0	3.5	35.5	5.5	141
	22	32.6	2.8	6.4	5.0	6.4	1.4	3.5	1.4	4.3	1.4	34.8	4.9	141
TOTALS		22.5	4.8	5.7	3.6	4.2	3.2	3.4	5.0	6.7	4.1	37.0	5.8	1128

NAVWEASERVCOM

5704 SKY COVER JAN 68

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	01	31.0	1.9	8.4	.6	1.3		2.6	.6	1.3	2.6	49.7	5.8	155
	04	25.2	1.9	5.8	5.2	4.5	1.3	.6	.6	5.8	3.2	45.8	6.0	155
	07	11.6	5.2	1.9	5.2	5.8	2.6	.6	3.9	5.8	9.0	48.4	7.0	155
	10	9.7	3.2	4.5	4.5	3.2	3.2	3.2	3.9	8.4	7.1	49.0	7.2	155
	13	11.0	3.2	1.3	2.6	4.5	3.9	2.6	3.9	6.5	6.5	54.2	7.5	155
	16	14.2	.6	1.9	2.6	2.6	3.9	4.5	5.2	7.7	5.2	51.6	7.3	155
	19	16.1	3.9	1.9	4.5	3.2	1.9	3.2	3.2	7.1	6.5	48.4	6.8	155
	22	25.2	3.2	3.9	3.2	4.5	.6	1.3	4.5	3.2	1.9	48.4	6.1	155
TOTALS		18.0	2.9	3.7	3.6	3.7	2.2	2.3	3.2	5.7	5.3	49.4	6.7	1240

NAVWEASERVCOM

5704 SKY COVER JAN 68

2

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	01	31.3	2.0	4.0	4.7	1.3	3.3	4.7	2.0	10.0	3.3	33.3	5.3	150
	04	31.3	.7	5.3	6.7	4.7	5.3	4.7	5.3	6.7	.7	28.7	4.9	150
	07	19.3	8.0	6.0	6.0	5.3	2.0	5.3	6.7	6.7	2.0	32.7	5.5	150
	10	17.3	3.3	10.7	6.7	4.0	3.3	2.0	4.7	8.7	6.0	33.3	5.8	150
	13	14.7	3.3	2.0	4.7	4.7	6.0	2.7	11.3	10.0	5.3	35.3	6.5	150
	16	15.3	4.7	4.7	3.3	4.0	3.3	4.7	4.7	14.0	4.7	36.7	6.4	150
	19	14.0	6.7	6.0	8.0	6.0	4.0	4.7	4.7	8.7	7.3	30.0	5.8	150
	22	28.0	2.7	12.7	3.3	2.7	2.0	4.0	8.7	6.7	.7	28.7	4.9	150
TOTALS		21.4	3.9	6.4	5.4	4.1	3.7	4.1	6.0	8.9	3.8	32.3	5.6	1200

NAVWEASERVCOM

5704 SKY COVER JAN 68

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	01	20.0	1.9	5.8	2.6	5.2	5.8	6.5	6.5	7.1	1.3	37.4	6.0	155
	04	16.8	2.6	12.3	4.5	5.8	2.6	3.2	2.6	11.0	1.3	39.4	6.1	155
	07	16.1	5.2	5.8	2.6	2.6	4.5	1.9	3.2	13.5	3.2	41.3	6.4	155
	10	7.7	3.2	5.2	7.7	2.6	4.5	4.5	7.1	9.7	4.5	43.2	7.0	155
	13	5.8	.6	1.9	5.2	5.2	3.9	3.9	7.1	12.3	10.3	43.9	7.6	155
	16	8.4		2.6	4.5	3.9	5.2	8.4	5.8	9.0	9.0	43.2	7.4	155
	19	6.5	3.9	3.9	7.1	2.6	3.2	1.9	7.1	16.1	9.0	38.7	7.2	155
	22	13.5	3.2	7.7	2.6	4.5	5.8	5.2	7.7	8.4	5.2	36.1	6.3	155
TOTALS		11.6	2.6	5.7	4.6	4.1	4.4	4.4	5.9	10.9	5.5	40.4	6.8	1240

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5704 SKY COVER JAN 68

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SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	01	14.7	1.3	6.7	8.0	6.0	6.0	2.7	6.0	8.7	4.7	35.3	6.2	150
	04	10.0	6.0	7.3	7.3	6.0	5.3	2.0	4.0	9.3	8.7	34.0	6.3	150
	07	7.3	4.0	6.0	5.3	5.3	7.3	4.0	6.0	10.7	10.7	33.3	6.7	150
	10	8.0	3.3	4.7	4.0	5.3	.7	3.3	8.0	8.7	10.7	43.3	7.2	150
	13	2.7	3.3	4.0	4.0	6.7	9.3	4.7	4.0	7.3	10.0	44.0	7.4	150
	16	4.0	2.7	2.7	6.7	6.7	8.7	4.7	6.7	10.0	7.3	40.0	7.2	150
	19	6.7	4.0	8.0	2.7	9.3	3.3	3.3	4.0	11.3	10.7	36.7	6.8	150
	22	13.3	3.3	2.7	5.3	8.7	6.0	2.7	10.0	8.7	4.0	35.3	6.3	150
TOTALS		8.3	3.5	5.3	5.4	6.8	5.8	3.4	6.1	9.3	8.4	37.7	6.8	1200

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5704 SKY COVER JAN 68

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SKY COVER

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 PERIOD | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	01	17.4	1.3	7.1	6.5	5.2	4.5	7.7	5.2	8.4	7.1	29.7	5.9	155
	04	16.2	4.5	7.7	5.2	10.3	5.2	5.2	3.2	9.7	7.1	27.7	5.7	155
	07	5.2	5.2	5.8	10.3	4.5	8.4	3.9	5.2	12.9	7.1	31.6	6.5	155
	10	8.4	7.1	3.2	5.2	7.7	3.9	7.1	5.8	9.0	9.0	33.5	6.5	155
	13	2.6	1.3	3.9	7.7	8.4	9.7	3.2	10.3	18.7	7.7	26.5	6.9	155
	16	2.6	5.2	6.5	5.2	9.0	5.8	4.5	9.0	16.1	7.7	28.4	6.7	155
	19	10.3	3.9	3.9	7.1	6.5	4.5	4.5	3.9	10.3	7.1	38.1	6.6	155
	22	14.8	2.6	7.1	6.5	5.2	3.9	9.7	6.5	7.1	5.2	31.6	6.0	155
TOTALS		9.4	3.9	5.7	6.7	7.1	5.7	5.7	6.1	11.5	7.3	30.9	6.4	1240

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5704 SKY COVER JAN 68

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SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	01	13.5	1.9	6.5	8.4	6.5	6.5	3.2	5.2	11.0	4.5	32.9	6.1	155
	04	12.3	1.3	10.3	7.7	7.7	7.7	5.2	3.9	11.0	3.9	29.0	5.9	155
	07	7.7	3.2	7.1	7.1	6.5	7.1	4.5	5.2	12.9	7.1	31.6	6.5	155
	10	7.1	4.5	8.4	7.1	5.2	6.5	2.6	9.7	10.3	9.7	29.0	6.4	155
	13	3.2	1.3	3.9	9.7	9.7	10.3	5.8	8.4	12.3	9.0	26.5	6.7	155
	16	5.2	3.2	5.8	7.1	10.3	6.5	2.6	10.3	12.9	5.8	30.3	6.6	155
	19	8.4	4.5	3.2	3.9	11.0	4.5	2.6	3.9	11.6	8.4	38.1	6.8	155
	22	14.2	2.6	7.1	6.5	6.5	2.6	5.2	4.5	9.7	5.8	35.5	6.2	155
TOTALS		9.0	2.8	6.5	7.2	7.9	6.5	4.0	6.4	11.5	6.8	31.6	6.4	1240

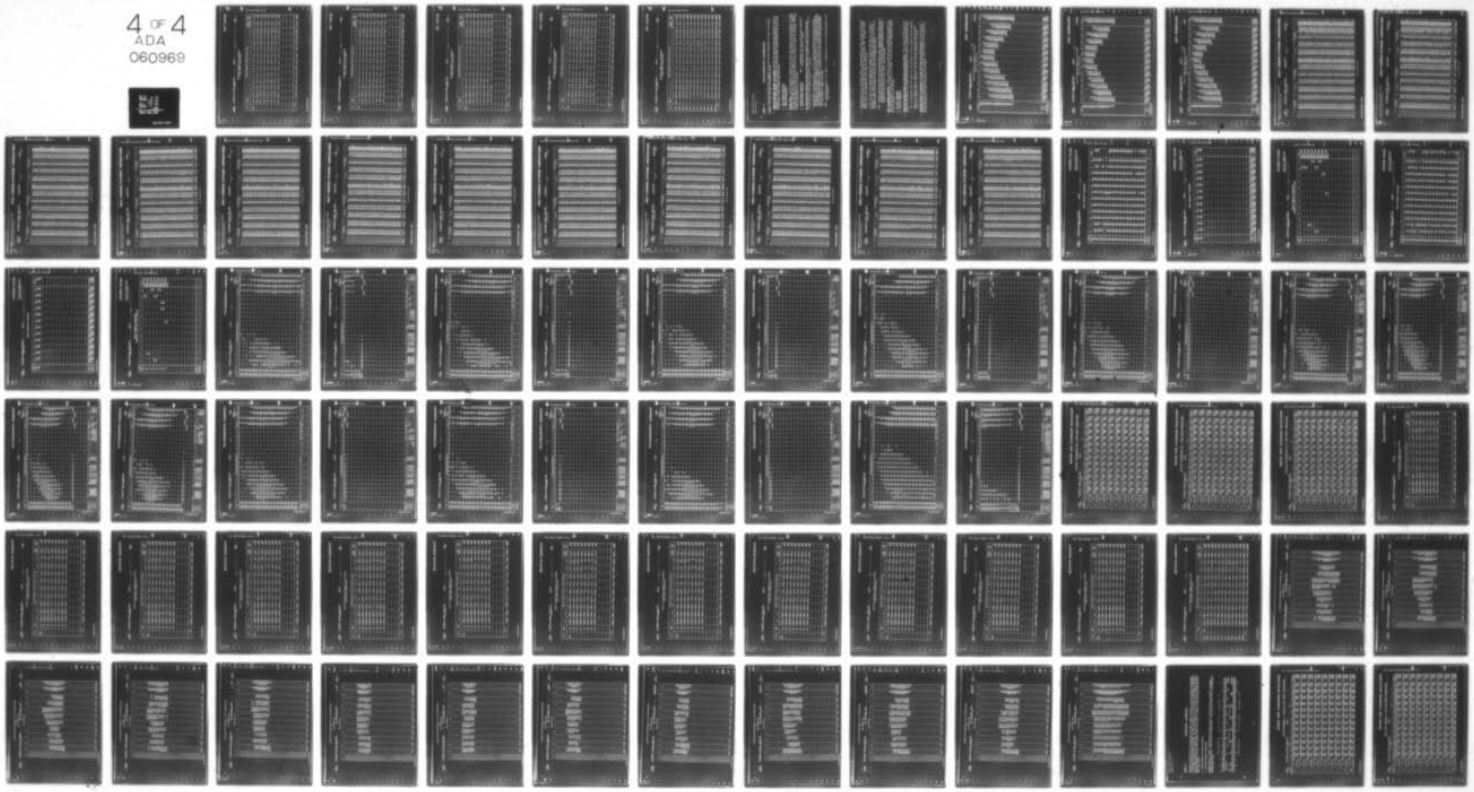
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5704 SKY COVER JAN 68

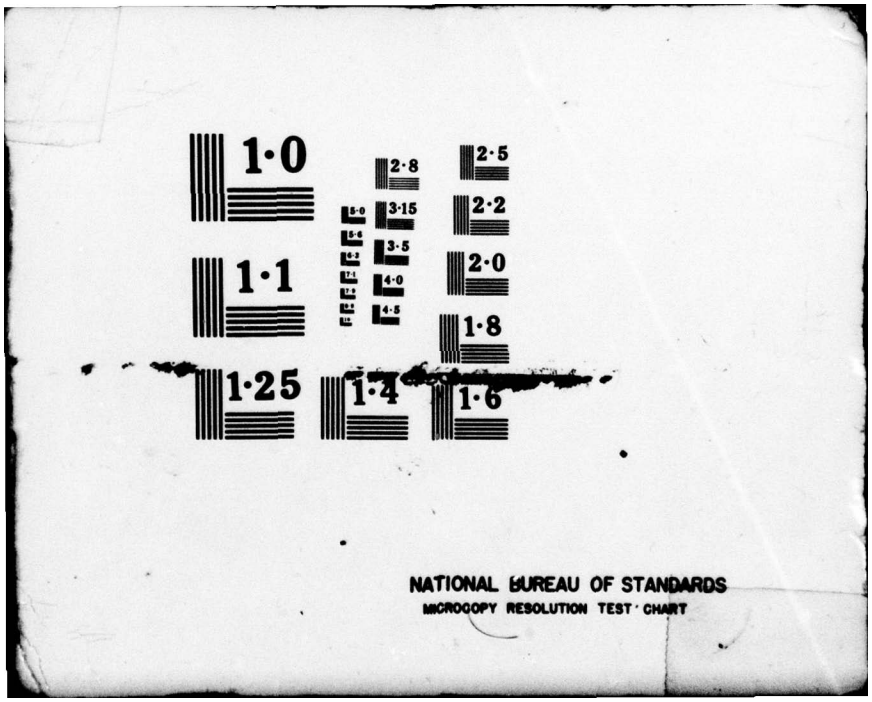
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) PATUXENT--ETC(U)
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SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	01	18.7	2.7	4.0	8.7	8.0	2.7	2.0	4.7	12.0	2.7	34.0	5.9	150
	04	21.3	1.3	5.3	10.0	6.7	2.7	2.0	6.0	8.0	5.3	31.3	5.6	150
	07	9.3	4.0	8.7	4.7	6.7	5.3	2.0	4.7	12.0	10.7	32.0	6.5	150
	10	12.0	2.0	2.0	6.0	8.7	6.7	4.7	7.3	8.0	8.7	34.0	6.5	150
	13	6.7	2.7	4.0	7.3	6.7	8.0	2.7	9.3	14.0	4.0	34.7	6.8	150
	16	12.0	2.7	5.3	7.3	6.7	3.3	2.0	8.0	8.0	8.7	36.0	6.5	150
	19	13.3	4.7	6.0	4.7	8.0	2.7	2.7	4.7	9.3	10.7	33.3	6.3	150
	22	24.7	2.0	5.3	6.7	4.0	2.7	4.7	6.0	6.7	2.7	34.7	5.6	150
TOTALS		14.8	2.8	5.1	6.9	6.9	4.3	2.9	6.3	9.8	6.7	33.8	6.2	1200

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5704 SKY COVER JAN 68

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SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	01	38.1	2.6	3.9	4.5	6.5	2.6	1.3	2.6	5.2	3.2	29.7	4.6	155
	04	41.3	2.6	1.3	3.9	2.6	1.9	4.5	3.2	3.2	1.9	33.5	4.7	155
	07	20.0	7.7	5.2	5.2	5.2	1.9	3.9	3.2	5.8	5.2	36.8	5.7	155
	10	18.1	5.8	4.5	7.1	7.1	3.2	5.2	3.9	5.8	4.5	34.8	5.7	155
	13	16.1	3.9	4.5	3.2	3.2	7.1	6.5	8.4	8.4	3.2	35.5	6.2	155
	16	18.7	3.9	3.9	4.5	4.5	3.9	4.5	6.5	9.7	8.4	31.6	6.0	155
	19	23.2	5.2	6.5	5.2	5.2	2.6	1.9	4.5	8.4	5.8	31.6	5.5	155
	22	36.1	4.5	5.8	4.5	3.2	2.6	1.9	1.3	2.6	7.7	29.7	4.6	155
TOTALS		26.5	4.5	4.5	4.8	4.7	3.2	3.7	4.2	6.1	5.0	32.9	5.4	1240

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5704 SKY COVER JAN 68

SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	01	36.7	3.3	4.7	4.0	4.0	2.7	3.3	2.0	6.0	3.3	30.0	4.7	150
	04	35.3	4.0	4.7	6.7	1.3	4.0	1.3	3.3	4.0	4.0	31.3	4.7	150
	07	16.7	8.0	6.7	8.0	6.0	3.3	2.0	5.3	7.3	4.0	32.7	5.6	150
	10	16.0	5.3	7.3	8.0	4.7	4.7	2.7	2.7	9.3	5.3	34.0	5.8	150
	13	6.7	9.3	4.0	5.3	5.3	6.0	4.7	10.0	8.7	4.7	35.3	6.5	150
	16	10.0	6.0	7.3	4.7	6.7	5.3	6.7	4.7	6.7	9.3	32.7	6.2	150
	19	25.3	4.0	3.3	6.7	4.7	2.7	4.0	3.3	10.0	2.7	33.3	5.5	150
	22	32.7	1.3	.7	5.3	4.7	1.3	5.3	5.3	4.7	6.7	32.0	5.3	150
TOTALS		22.4	5.2	4.8	6.1	4.7	3.8	3.8	4.6	7.1	5.0	32.7	5.5	1200

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5704 SKY COVER JAN 68

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SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	01	29.0	.6	3.2	.6	5.8	3.2	1.9	4.5	4.5	2.6	43.9	5.9	155
	04	25.2	3.9	3.9	5.2	2.6	2.6	1.9	5.2	3.2	2.6	43.9	5.9	155
	07	12.9	7.7	9.0	5.8	3.2	2.6	2.6	5.2	7.1	7.7	36.1	6.1	155
	10	16.8	5.2	3.9	5.2	.6	3.9	2.6	5.2	10.3	5.8	40.6	6.4	155
	13	12.3	6.5	11.6	2.6	1.9	3.2	2.6	1.9	6.5	10.3	40.6	6.4	155
	16	14.2	4.5	5.2	4.5	1.3	2.6	4.5	4.5	7.7	10.3	40.6	6.7	155
	19	19.4	4.5	5.2	3.9	4.5	1.9	2.6	7.7	4.5	4.5	41.3	6.1	155
	22	25.8	1.9	3.2	4.5	1.9	3.2	3.9	2.6	4.5	5.8	42.6	6.0	155
TOTALS		19.5	4.4	5.7	4.0	2.7	2.9	2.8	4.6	6.0	6.2	41.2	6.2	1240

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5704 SKY COVER JAN 68

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SKY COVER

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	19.9	4.3	5.5	4.8	4.0	2.0	3.4	3.7	5.4	3.6	43.5	6.1	1240
FEB		22.5	4.8	5.7	3.6	4.2	3.2	3.4	5.0	6.7	4.1	37.0	5.8	1128
MAR		18.0	2.9	3.7	3.6	3.7	2.2	2.3	3.2	5.7	5.3	49.4	6.7	1240
APR		21.4	3.9	6.4	5.4	4.1	3.7	4.1	6.0	8.9	3.8	32.3	5.6	1200
MAY		11.6	2.6	5.7	4.6	4.1	4.4	4.4	5.9	10.9	5.5	40.4	6.8	1240
JUN		8.3	3.5	5.3	5.4	6.8	5.8	3.4	6.1	9.3	8.4	37.7	6.8	1200
JUL		9.4	3.9	5.7	6.7	7.1	5.7	5.7	6.1	11.5	7.3	30.9	6.4	1240
AUG		9.0	2.8	6.5	7.2	7.9	6.5	4.0	6.4	11.5	6.8	31.6	6.4	1240
SEP		16.8	2.8	5.1	6.9	6.9	4.3	2.9	6.3	9.8	6.7	33.8	6.2	1200
OCT		26.5	4.5	4.5	4.8	4.7	3.2	3.7	4.2	6.1	5.0	32.9	5.4	1240
NOV		22.4	5.2	4.8	6.1	4.7	3.8	3.8	4.6	7.1	5.0	32.7	5.5	1200
DEC		19.5	4.4	5.7	4.0	2.7	2.9	2.8	4.6	6.0	6.2	41.2	6.2	1240
TOTALS		16.9	3.8	5.4	5.3	5.1	4.0	3.7	5.2	8.2	5.6	37.0	6.2	14608

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5704 SKY COVER JAN 68

NWSD, Federal Building

Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

   a. Daily maximum temperature
   b. Daily minimum temperature
   c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

   NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

a. Dry-bulb temperature
b. Wet-bulb temperature
c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

18221 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-77 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
N 100						.1	.3						.0
N 95					.1	1.8	4.0	3.0	.3				.8
N 90				.5	2.0	12.8	21.0	16.2	3.4	.4			4.8
N 85			.2	2.5	8.2	32.6	53.2	43.7	19.1	1.8	.1		13.8
N 80		.1	1.8	9.1	21.9	58.4	85.5	70.0	43.3	6.9	.9		25.6
N 75	.4	1.1	4.3	16.9	41.3	83.3	98.2	96.7	68.6	18.8	3.6	.2	36.5
N 70	2.1	2.4	9.0	28.1	62.6	94.0	99.8	99.3	87.2	41.9	10.2	1.9	45.3
N 65	5.4	5.3	17.0	41.7	82.4	98.7	100.0	100.0	95.6	64.3	21.4	5.7	53.6
N 60	10.9	12.5	28.1	63.5	94.3	99.8			99.2	84.6	35.3	13.0	62.6
N 55	19.2	21.5	42.0	83.6	99.4	100.0			100.0	95.7	59.0	23.5	70.8
N 50	29.7	38.0	61.2	95.3	100.0					98.6	77.6	37.0	78.2
N 45	43.3	51.9	78.7	99.1						99.9	90.2	56.5	88.3
N 40	65.2	72.1	92.4	99.9						100.0	97.9	76.1	95.1
N 35	80.9	88.4	97.7	100.0							99.4	88.1	98.2
N 30	92.0	95.6	99.7								100.0	96.6	99.7
N 25	97.2	98.8	100.0									99.8	99.7
N 20	99.4	99.7										100.0	99.9
N 15	99.8	100.0											100.0
N 10	100.0												100.0
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MEAN	44.2	46.2	55.6	64.0	72.6	81.0	85.1	83.9	77.8	67.7	57.0	46.9	65.0
S. D.	11.385	10.685	10.471	9.949	8.303	7.081	5.310	5.501	7.183	7.947	9.484	10.248	17.034
TOTAL OBS.	991	905	1023	990	1023	990	1015	1023	990	1022	987	1020	11975

NAVWEASERVCOM

106507

7721 Daily Temperatures Jan 1969

DAILY TEMPERATURES

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 65-77 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
N 80						.2	.3	.1					.1
N 75						2.8	15.4	11.4	2.8				2.7
N 70					1.6	27.1	60.1	55.9	22.0	1.4	.2		14.2
N 65			.2	.6	12.0	56.3	90.7	86.2	47.2	6.3	.3		25.2
N 60	.2		.6	5.2	35.3	83.7	99.0	98.1	73.0	20.9	2.7		35.2
N 55	.7	.3	2.0	14.7	61.7	97.5	100.0	99.9	93.0	43.2	8.9	.4	43.9
N 50	1.4	1.3	6.3	34.0	83.7	99.8		100.0	98.3	67.3	19.6	1.5	51.6
N 45	3.7	4.0	16.8	62.0	96.7	100.0			100.0	85.2	36.0	7.3	59.8
N 40	11.6	12.5	37.4	84.3	99.7					95.5	58.5	20.7	68.9
N 35	27.6	30.2	63.1	96.5	100.0					99.0	81.6	40.7	78.7
N 30	53.5	56.6	85.9	99.6						100.0	93.4	64.1	88.0
N 25	78.1	78.4	96.0	100.0							98.0	84.1	94.2
N 20	86.1	90.1	99.2								99.8	94.9	97.6
N 15	94.0	96.2	100.0								100.0	99.2	99.2
N 10	98.5	99.6										100.0	99.8
N 5	99.4	100.0											99.9
N 0	99.7												100.0
N 5-	100.0												100.0
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MEAN	29.4	30.4	37.3	46.8	56.5	65.3	70.2	69.5	58.7	52.9	41.9	32.6	49.7
S. D.	9.122	8.220	7.760	7.221	6.585	5.679	4.219	4.317	6.383	7.786	8.676	8.094	16.350
TOTAL OBS.	991	903	1023	990	1023	990	1013	1023	989	1022	988	1020	11975

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

DAILY TEMPERATURES

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 45-77 (YEARS)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
N 90							.1						.0
N 85						1.6	6.6	3.7	.4				1.0
N 80					1.3	16.8	37.0	29.8	9.0	.6			8.0
N 75			.1	.9	8.2	44.8	76.5	70.0	31.6	2.6	.2		19.8
N 70	.1		.9	6.2	26.2	73.0	97.7	94.3	60.0	10.4	1.2		31.1
N 65	.4	.3	2.4	13.8	50.3	92.9	100.0	99.8	84.0	29.5	4.4	.2	40.4
N 60	1.3	1.8	7.4	29.9	76.8	99.1		100.0	95.9	57.5	13.7	2.0	49.2
N 55	4.4	4.0	16.8	52.2	92.6	100.0			99.6	79.3	30.1	5.5	57.5
N 50	10.9	11.1	30.3	76.5	99.3				100.0	93.0	47.4	14.5	65.7
N 45	21.5	24.1	52.6	93.2	100.0					98.3	71.9	29.6	74.7
N 40	37.6	44.7	76.3	99.1						99.9	89.2	50.6	83.5
N 35	61.0	69.0	91.5	99.9						100.0	97.1	72.7	91.1
N 30	78.4	85.4	97.6	100.0							99.2	87.8	95.8
N 25	90.0	94.1	99.6								100.0	97.1	98.4
N 20	96.3	98.4	100.0									99.8	99.6
N 15	99.3	99.8										100.0	99.9
N 10	99.6	100.0											100.0
N 5	100.0												100.0
MEAN	37.0	38.6	45.7	55.6	64.8	73.4	77.9	76.9	71.0	60.5	49.7	40.0	57.6
S. D.	9.761	8.903	8.545	8.057	6.958	5.961	4.348	4.490	6.368	7.343	8.597	8.739	16.448
TOTAL OBS.	991	903	1023	990	1023	990	1013	1023	989	1022	987	1020	11974

NAVWEASERVCOM

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5721 Daily Temperatures Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13721	PATUXENT RIVER, MARYLAND	1946-1977	JANUARY
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	37.7	3.2	44.7	7.1	67	19.4	1966	30.6	-0.8	16	-8.9	1977
2	36.9	2.7	43.5	6.4	62	16.7	1955	30.2	-1.0	14	-10.0	1968
3	39.1	3.9	46.5	8.1	66	18.9	1951	31.7	-0.2	19	-7.2	1969
4	38.4	3.6	45.5	7.5	72	22.2	1950	31.3	-0.4	16	-8.9	1969
5	36.7	2.6	43.9	6.6	74	23.3	1950	29.4	-1.4	10	-12.2	1969
6	37.9	3.3	44.9	7.2	71	21.7	1950	30.9	-0.6	11	-11.7	1959
7	37.5	3.1	44.4	6.9	66	18.9	1950*	30.6	-0.8	15	-9.4	1977*
8	34.7	1.5	40.9	4.9	64	17.8	1965	28.5	-1.9	5	-15.0	1970
9	36.3	2.4	43.1	6.2	67	19.4	1969	29.5	-1.4	5	-15.0	1970
10	37.2	2.9	44.4	6.9	70	21.1	1950	30.0	-1.1	4	-15.6	1970
11	36.1	2.3	42.5	5.8	68	20.0	1975	29.7	-1.3	11	-11.7	1968
12	34.7	1.5	41.7	5.4	60	15.6	1968	27.7	-2.4	9	-12.8	1968
13	35.5	1.9	42.7	5.9	66	18.9	1972	28.3	-2.1	8	-13.3	1977
14	36.6	2.6	44.0	6.7	70	21.1	1950	29.2	-1.6	14	-10.0	1964
15	37.1	2.8	44.4	6.9	74	23.3	1952	29.7	-1.3	14	-10.0	1948
16	34.9	1.6	42.4	5.8	72	22.2	1953	27.4	-2.6	2	-16.7	1977
17	33.4	0.8	40.8	4.9	64	17.8	1949	26.0	-3.3	-3	-19.4	1977*
18	35.0	1.7	42.7	5.9	64	17.8	1951*	27.3	-2.6	-1	-18.3	1977
19	36.3	2.4	43.7	6.5	69	20.6	1951	28.9	-1.7	6	-14.4	1977
20	36.6	2.6	43.7	6.5	71	21.7	1951	29.5	-1.4	10	-12.2	1967
21	37.3	2.9	45.6	7.6	69	20.6	1959	29.0	-1.7	6	-14.4	1970
22	37.5	3.1	45.6	7.6	65	18.3	1959	29.5	-1.4	10	-12.2	1970
23	38.0	3.3	46.2	7.9	75	23.9	1974	29.7	-1.3	15	-9.4	1977
24	37.1	2.8	44.5	6.9	72	22.2	1950	29.8	-1.2	9	-12.8	1963
25	39.1	3.9	46.7	8.2	77	25.0	1950	31.5	-0.3	12	-11.1	1961
26	40.2	4.6	48.3	9.1	78	25.6	1950	32.2	0.1	14	-10.0	1961
27	38.6	3.7	46.8	8.2	75	23.9	1974	30.4	-0.9	12	-11.1	1961
28	36.2	2.3	44.2	6.8	72	22.2	1949	28.2	-2.1	12	-11.1	1977*
29	36.2	2.3	44.3	6.8	74	23.3	1975	28.2	-2.1	4	-15.6	1977
30	36.9	2.7	44.5	6.9	72	22.2	1947	29.3	-1.5	10	-12.2	1977
31	34.4	1.3	41.6	5.3	70	21.1	1947	27.1	-2.7	10	-12.2	1948
Monthly	36.8	2.7	44.2	6.8	78	25.6	1950	29.4	-1.4	-3	-19.4	1977*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET--SMOS

5125 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13721	PATUXENT RIVER, MARYLAND	1946-1977	FEBRUARY
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	36.1	2.3	43.2	6.2	61	16.1	1951	28.9	-1.7	9	-12.8	1965
2	36.0	2.2	42.7	5.9	70	21.1	1967	29.4	-1.4	9	-12.8	1971
3	34.0	1.1	41.2	5.1	55	12.8	1977	26.8	-2.9	12	-11.1	1965
4	34.9	1.6	42.8	6.0	62	16.7	1976	27.0	-2.8	12	-11.1	1965*
5	35.5	1.9	43.0	6.1	62	16.7	1964	28.1	-2.7	8	-13.3	1947
6	38.3	3.5	46.3	7.9	60	15.6	1960	30.2	-1.0	11	-11.7	1977
7	37.5	3.1	44.7	7.1	58	14.4	1965*	30.3	-0.9	11	-11.7	1977
8	35.2	1.8	42.3	5.7	66	18.9	1965	28.0	-2.2	11	-11.7	1977
9	35.8	2.1	43.3	6.3	66	18.9	1949	28.3	-2.1	14	-10.0	1977*
10	37.5	3.1	45.7	7.6	70	21.1	1959	29.2	-1.6	14	-10.0	1958
11	37.9	3.3	46.1	7.8	66	18.9	1977*	29.7	-1.3	12	-11.1	1968
12	36.1	2.3	43.5	6.4	65	18.3	1965	28.7	-1.8	14	-10.0	1968
13	38.7	3.7	46.7	8.2	71	21.7	1949	30.7	-0.7	14	-10.0	1955
14	39.5	4.2	48.9	9.4	68	20.0	1946	30.2	-1.0	16	-8.9	1968
15	39.9	4.4	47.5	8.6	76	24.4	1954	32.4	0.2	18	-7.8	1969*
16	38.9	3.8	46.8	8.2	76	24.4	1976*	31.1	-0.5	13	-10.6	1963
17	38.4	3.6	45.5	7.5	80	26.7	1976	31.3	-0.4	7	-13.9	1958
18	39.0	3.9	47.0	8.3	77	25.0	1976	31.1	-0.5	12	-11.1	1958
19	40.3	4.6	48.5	9.2	72	22.2	1961	32.2	0.1	15	-9.4	1958
20	38.0	3.3	45.4	7.4	68	20.0	1971	30.7	-0.7	15	-9.4	1959
21	37.4	3.0	45.3	7.4	67	19.4	1953	29.5	-1.4	10	-12.2	1968
22	39.1	3.9	47.6	8.7	70	21.1	1974	30.7	-0.7	10	-12.2	1963
23	39.1	3.9	46.9	8.3	73	22.8	1977	31.3	-0.4	15	-9.4	1963
24	40.1	4.5	48.5	9.2	65	18.3	1975	31.8	-0.1	18	-7.8	1947
25	41.8	5.4	50.4	10.2	74	23.3	1977	33.2	0.7	12	-11.1	1967
26	41.5	5.3	49.6	9.8	72	22.2	1946	33.4	0.8	10	-12.2	1970
27	41.7	5.4	50.2	10.1	74	23.3	1977*	33.2	0.7	14	-10.0	1963
28	43.2	6.2	52.4	11.3	78	25.6	1948	34.0	1.1	21	-6.1	1950
29	43.2	6.2	52.0	11.1	77	25.0	1976*	34.4	1.3	28	-2.2	1956
30												
31												
Monthly	38.3	3.5	46.2	7.9	80	26.7	1976	30.4	-0.9	7	-13.9	1958

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13721 — STATION
PATUXENT RIVER, MARYLAND — STATION NAME
1945-1977 — YEARS
MARCH — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP DATE
1	41.4	5.2	49.1	9.5	78	25.6	1976*	33.8	1.0	22	-5.6	1967
2	41.6	5.3	49.7	9.8	80	26.7	1972	33.5	0.8	18	-7.8	1967
3	42.1	5.6	49.8	9.9	73	22.8	1967	34.4	1.3	17	-8.3	1950
4	42.7	5.9	50.3	10.2	80	26.7	1974	35.1	1.7	20	-6.7	1960
5	44.7	7.1	53.2	11.8	81	27.2	1976	36.3	2.4	20	-6.7	1960*
6	44.9	7.2	53.8	12.1	82	27.8	1961	36.1	2.3	20	-6.7	1960*
7	43.3	6.3	51.3	10.7	74	23.3	1946	35.2	1.8	20	-6.7	1960
8	42.2	5.7	50.7	10.4	70	21.1	1956	33.7	0.9	19	-7.2	1960
9	41.9	5.5	50.3	10.2	80	26.7	1964	33.5	0.8	19	-7.2	1960
10	44.1	6.7	52.1	11.2	78	25.6	1964	36.2	2.3	24	-4.4	1960
11	43.6	6.4	51.6	10.9	79	26.1	1967	35.6	2.0	16	-8.9	1960
12	44.5	6.9	52.6	11.4	76	24.4	1973	36.5	2.5	21	-6.1	1969*
13	44.6	7.0	52.6	11.4	73	22.8	1976	36.6	2.6	21	-6.1	1960
14	45.3	7.4	53.3	11.8	77	25.0	1967	37.2	2.9	21	-6.1	1968
15	46.1	7.8	54.7	12.6	77	25.0	1973	37.4	3.0	23	-5.0	1970
16	45.8	7.7	54.0	12.2	85	29.4	1945	37.5	3.1	24	-4.4	1960
17	44.5	6.9	52.5	11.4	80	26.7	1945	36.5	2.5	24	-4.4	1967
18	43.2	6.2	49.9	9.9	68	20.0	1966	36.4	2.4	20	-6.7	1967
19	44.8	7.1	52.0	11.1	83	28.3	1945	37.6	3.1	15	-9.4	1967
20	46.0	7.8	53.3	11.8	83	28.3	1945	38.7	3.7	25	-3.9	1956
21	47.0	8.3	55.2	12.9	85	29.4	1948	38.8	3.8	19	-7.2	1965
22	47.5	8.6	56.0	13.3	84	28.9	1948	39.1	3.9	28	-2.2	1965
23	47.4	8.6	56.5	13.6	70	21.1	1965*	38.4	3.6	28	-2.2	1960
24	48.3	9.1	57.5	14.2	68	20.0	1955	39.1	3.9	28	-2.2	1971
25	46.7	8.2	54.6	12.6	72	22.2	1963	38.8	3.8	26	-3.3	1956
26	48.0	8.9	56.8	13.8	78	25.6	1964	39.2	4.0	27	-2.8	1974
27	48.3	9.1	56.5	13.6	82	27.8	1949	40.1	4.5	24	-4.4	1955
28	49.4	9.7	57.7	14.3	80	26.7	1945	41.2	5.1	27	-2.8	1955
29	50.7	10.4	60.0	15.6	84	28.9	1945	41.5	5.3	27	-2.8	1966
30	50.6	10.3	58.3	14.6	83	28.3	1977	42.9	6.1	32	0.0	1970*
31	48.3	9.1	56.0	13.3	82	27.8	1945	40.6	4.8	26	-3.3	1964
Monthly	45.5	7.5	53.6	12.0	85	29.4	1948*	37.3	2.9	15	-9.4	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13721	PATUXENT RIVER, MARYLAND	1965-1977	APRIL
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	49.9	9.9	58.5	14.7	73	22.8	1952*	41.4	5.2	28	-2.2	1969
2	54.2	12.3	64.0	17.8	84	28.9	1969	44.3	6.8	32	0.0	1964
3	53.3	11.8	62.8	17.1	90	32.2	1967	43.8	6.6	31	-0.6	1961
4	51.7	10.9	59.9	15.5	84	28.9	1956	43.5	6.4	29	-1.7	1954
5	51.8	11.0	61.1	16.2	78	25.6	1969	42.6	5.9	31	-0.6	1975
6	51.9	11.1	59.9	15.5	84	28.9	1947	44.0	6.7	33	0.6	1975
7	51.3	10.7	60.0	15.6	78	25.6	1947	42.6	5.9	29	-1.7	1950
8	52.1	11.2	60.8	16.0	86	30.0	1954	43.5	6.4	30	-1.1	1972
9	51.7	10.9	60.7	15.9	87	30.6	1959	42.8	6.0	31	-0.6	1977
10	51.6	10.9	59.9	15.5	81	27.2	1969*	43.2	6.2	34	1.1	1977
11	52.4	11.3	61.0	16.1	79	26.1	1950	43.7	6.5	33	0.6	1960
12	53.6	12.0	61.7	16.5	85	29.4	1965	45.5	7.5	35	1.7	1976
13	52.3	11.3	60.5	15.8	83	28.3	1977	44.1	6.7	31	-0.6	1950
14	54.8	12.7	63.3	17.4	87	30.6	1960	46.4	8.0	26	-3.3	1950
15	55.8	13.2	64.2	17.9	88	31.1	1967	47.3	8.5	32	0.0	1950
16	55.5	13.1	64.4	18.0	84	28.9	1976	46.5	8.1	35	1.7	1950
17	56.0	13.3	64.9	18.3	87	30.6	1976	47.2	8.4	37	2.8	1949
18	58.2	14.6	68.0	20.0	90	32.2	1964	48.4	9.1	34	1.1	1951
19	59.3	15.2	68.6	20.3	86	30.0	1972	50.1	10.1	36	2.2	1956
20	57.4	14.1	66.2	19.0	84	28.9	1952	48.5	9.2	32	0.0	1953
21	57.8	14.3	67.2	19.6	84	28.9	1957	48.5	9.2	34	1.1	1956
22	59.7	15.4	68.1	20.1	89	31.7	1973	51.3	10.7	36	2.2	1953
23	60.5	15.8	69.2	20.7	87	30.6	1952	51.8	11.0	40	4.4	1948*
24	59.4	15.2	67.8	19.9	84	28.9	1960*	50.9	10.5	37	2.8	1956
25	59.1	15.1	67.2	19.6	91	32.8	1960	50.9	10.5	37	2.8	1956
26	59.4	15.2	68.0	20.0	84	28.9	1951	50.8	10.4	42	5.6	1967*
27	57.3	14.1	64.9	18.3	91	32.8	1969	49.8	9.9	41	5.0	1976
28	56.9	13.8	64.3	17.9	85	29.4	1956	49.5	9.7	38	3.3	1946
29	57.7	14.3	65.2	18.4	91	32.8	1974	50.1	10.1	39	3.9	1961
30	59.1	15.1	67.1	19.5	85	29.4	1974	51.1	10.6	42	5.6	1961
31												
Monthly	55.4	13.0	64.0	17.8	91	32.8	1974*	46.8	8.2	26	-3.3	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

18721	PATUXENT RIVER, MARYLAND	1965-1977	MAY
STATION	STATION NAME	YEARS	MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	60.4	15.8	67.8	19.9	84	28.9	1953	53.1	11.7	44	6.7	1971*
2	61.0	16.1	68.7	20.4	87	30.6	1973	53.3	11.8	42	5.6	1965
3	60.6	15.9	68.8	20.4	86	30.0	1973*	52.4	11.3	42	5.6	1966
4	60.0	15.6	68.2	20.1	86	30.0	1965	51.8	11.0	42	5.6	1957
5	60.4	15.8	69.3	20.7	87	30.6	1977	51.5	10.8	44	6.7	1966*
6	62.3	16.8	71.2	21.8	89	31.7	1966	53.3	11.8	44	6.7	1968
7	61.6	16.4	69.8	21.0	87	30.6	1949	53.5	11.9	41	5.0	1970
8	61.9	16.6	70.4	21.3	91	32.8	1968	53.4	11.9	40	4.4	1967
9	61.6	16.4	70.8	21.6	94	34.4	1964*	52.3	11.3	39	3.9	1977*
10	63.6	17.6	72.5	22.5	93	33.9	1968	54.7	12.6	36	2.2	1966
11	64.0	17.8	72.5	22.5	85	29.4	1965	55.6	13.1	40	4.4	1966
12	63.9	17.7	72.3	22.4	90	32.2	1959	55.5	13.1	44	6.7	1969
13	64.0	17.8	72.2	22.3	91	32.8	1956	55.7	13.2	47	8.3	1967
14	63.2	17.3	71.5	21.9	93	33.9	1956	54.9	12.7	47	8.3	1960
15	64.6	18.1	72.6	22.6	89	31.7	1957	56.5	13.6	47	8.3	1959
16	64.3	17.9	72.4	22.4	86	30.0	1945	56.1	13.4	45	7.2	1959
17	65.7	18.7	74.2	23.4	90	32.2	1974	57.2	14.0	43	6.1	1967
18	66.1	18.9	74.5	23.6	89	31.7	1947	57.6	14.2	43	6.1	1973
19	66.7	19.3	75.1	23.9	90	32.2	1964*	58.2	14.6	44	6.7	1976
20	66.2	19.0	73.6	23.1	88	31.1	1947	58.7	14.8	48	8.9	1950
21	66.2	19.0	73.8	23.2	85	29.4	1962	58.6	14.8	45	7.2	1950
22	67.2	19.6	75.6	24.2	88	31.1	1959	58.8	14.9	48	8.9	1967
23	68.3	20.2	76.6	24.8	94	34.4	1964	60.1	15.6	49	9.4	1967
24	66.6	19.2	74.6	23.7	94	34.4	1964	58.7	14.8	47	8.3	1963
25	67.2	19.6	74.5	23.6	86	30.0	1955*	59.8	15.4	47	8.3	1956
26	66.9	19.4	74.4	23.6	91	32.8	1965*	59.4	15.2	48	8.9	1967
27	66.8	19.3	74.6	23.7	97	36.1	1965	58.9	14.9	48	8.9	1976*
28	66.7	19.3	74.2	23.4	87	30.6	1965	59.3	15.2	48	8.9	1961
29	67.5	19.7	74.6	23.7	93	33.9	1969	60.3	15.7	51	10.6	1946
30	67.2	19.6	73.9	23.3	92	33.3	1969	60.4	15.8	52	11.1	1946
31	68.0	20.0	75.2	24.0	91	32.8	1956	60.8	16.0	47	8.3	1967
Monthly	64.5	18.1	72.6	22.6	97	36.1	1965	56.5	13.6	36	2.2	1966

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5225 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13721 — STATION | PATUXENT RIVER, MARYLAND — STATION NAME | 1945-1977 — YEARS | JUNE — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	68.9	20.5	76.8	24.9	90	32.2	1951	61.0	16.1	45	7.2	1967
2	69.8	21.0	78.2	25.7	94	34.4	1951	61.5	16.4	48	8.9	1953
3	68.4	20.2	75.8	24.3	88	31.1	1951	61.1	16.2	52	11.1	1967*
4	68.5	20.3	76.6	24.8	89	31.7	1973	60.4	15.8	53	11.7	1976
5	69.2	20.7	77.4	25.2	89	31.7	1953	61.1	16.2	50	10.0	1945
6	71.0	21.7	79.5	26.4	92	33.3	1952	62.5	16.9	51	10.6	1945
7	71.3	21.8	79.4	26.3	92	33.3	1952	63.2	17.3	54	12.2	1945
8	71.3	21.8	79.4	26.3	92	33.3	1965	63.1	17.3	51	10.6	1977
9	72.0	22.2	79.8	26.6	95	35.0	1952	64.2	17.9	53	12.8	1957
10	72.7	22.6	81.2	27.3	101	38.3	1964	64.3	17.9	54	12.2	1972
11	73.1	22.8	81.3	27.4	91	32.8	1958	64.8	18.2	50	10.0	1972
12	73.6	23.1	81.6	27.6	90	32.2	1970*	65.6	18.7	56	13.3	1972*
13	73.5	23.1	81.0	27.2	93	33.9	1956	66.0	18.9	58	14.4	1950
14	72.8	22.7	80.2	26.8	93	33.9	1964	65.5	18.6	56	13.3	1959
15	72.8	22.7	80.3	26.8	99	37.2	1964	65.3	18.5	56	13.3	1965
16	72.4	22.4	80.0	26.7	94	34.4	1966	64.8	18.2	54	12.2	1965
17	71.7	22.1	79.0	26.1	94	34.4	1952	64.5	18.1	53	11.7	1959
18	72.2	22.3	79.7	26.5	95	35.0	1957	64.7	18.2	55	12.8	1965
19	73.3	22.9	81.4	27.4	96	35.6	1952	65.2	18.4	56	13.3	1965*
20	73.7	23.2	81.0	27.2	97	36.1	1964	66.3	19.1	59	15.0	1954
21	74.3	23.5	81.7	27.6	90	32.2	1964*	67.0	19.4	57	13.9	1948
22	74.6	23.7	82.0	27.8	94	34.4	1959	67.2	19.6	56	13.3	1963
23	75.0	23.9	82.7	28.2	93	33.9	1969	67.4	19.7	56	13.3	1947
24	76.4	24.7	84.8	29.3	95	35.0	1950*	68.0	20.0	55	12.8	1972
25	77.0	25.0	85.1	29.5	95	35.0	1967*	68.9	20.5	62	16.7	1974*
26	76.7	24.8	84.5	29.2	99	37.2	1952	68.8	20.4	59	15.0	1968
27	76.6	24.8	84.6	29.2	97	36.1	1952	68.6	20.3	59	15.0	1968
28	76.2	24.6	83.9	28.8	98	36.7	1969	68.6	20.3	58	14.4	1974
29	76.9	24.9	85.1	29.5	99	37.2	1959	68.8	20.4	58	14.4	1974
30	78.0	25.6	86.3	30.2	97	36.1	1945	69.8	21.0	62	16.7	1974
31												
Monthly	73.1	22.8	81.0	27.2	101	38.3	1964	65.3	18.5	45	7.2	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13721	PATUXENT RIVER, MARYLAND	1945-1977	JULY
STATION	STATION NAME	YEARS	MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	78.8	26.0	86.5	30.3	96	35.6	1953	71.1	21.7	62	16.7	1972*
2	78.0	25.6	86.3	30.2	100	37.8	1953	69.6	20.9	55	12.8	1952
3	78.3	25.7	86.5	30.3	100	37.8	1954	70.0	21.1	62	16.7	1962*
4	77.2	25.1	85.2	29.6	99	37.2	1970	69.2	20.7	58	14.4	1967
5	77.1	25.1	85.2	29.6	96	35.6	1957	69.0	20.6	58	14.4	1967
6	76.5	24.7	84.1	28.9	95	35.0	1949	69.0	20.6	60	15.6	1951
7	76.3	24.6	83.5	28.6	94	34.4	1966	69.0	20.6	58	14.4	1972
8	76.5	24.7	83.9	28.8	95	35.0	1977	69.1	20.6	56	13.3	1972
9	76.2	24.6	83.3	28.5	93	33.9	1957	69.1	20.6	59	15.0	1963
10	76.4	24.7	83.7	28.7	95	35.0	1966	69.2	20.7	59	15.0	1963
11	75.9	24.4	82.8	28.2	97	36.1	1966	68.9	20.5	59	15.0	1963
12	76.0	24.4	83.5	28.6	96	35.6	1966	68.5	20.3	60	15.6	1963
13	77.0	25.0	84.6	29.2	97	36.1	1954	69.4	20.8	61	16.1	1976*
14	77.9	25.5	85.1	29.5	94	34.4	1966*	70.8	21.6	62	16.7	1963
15	77.5	25.3	84.7	29.3	93	33.9	1952	70.3	21.3	64	17.8	1976
16	77.7	25.4	84.7	29.3	94	34.4	1955*	70.8	21.6	64	17.8	1967
17	77.8	25.4	85.2	29.6	96	35.6	1953	70.4	21.3	61	16.1	1946
18	78.3	25.7	85.7	29.8	96	35.6	1963	70.9	21.6	64	17.8	1976*
19	79.2	26.2	87.1	30.6	95	35.0	1963*	71.4	21.9	63	17.2	1976
20	78.5	25.8	85.4	29.7	92	33.3	1953*	71.6	22.0	64	17.8	1965
21	78.4	25.8	85.9	29.9	98	36.7	1952	70.9	21.6	61	16.1	1965
22	78.7	25.9	85.8	29.9	98	36.7	1952	71.5	21.9	62	16.7	1965
23	78.5	25.8	85.9	29.9	100	37.8	1952	71.0	21.7	61	16.1	1947
24	77.7	25.4	85.1	29.5	99	37.2	1968	70.2	21.2	62	16.7	1947
25	77.7	25.4	85.0	29.4	95	35.0	1965	70.5	21.4	62	16.7	1947
26	77.4	25.2	84.5	29.2	96	35.6	1966	70.4	21.3	61	16.1	1976
27	78.4	25.8	85.8	29.9	96	35.6	1963	71.0	21.7	62	16.7	1962
28	79.3	26.3	86.8	30.4	98	36.7	1966	71.9	22.2	57	13.9	1977
29	78.0	25.6	84.6	29.2	94	34.4	1964	71.5	21.9	64	17.8	1960*
30	77.8	25.4	85.2	29.6	99	37.2	1953	70.3	21.3	63	17.2	1956
31	78.6	25.9	85.8	29.9	98	36.7	1954	71.3	21.8	61	16.1	1956
Monthly	77.7	25.4	85.1	29.5	100	37.8	1954*	70.2	21.2	55	12.8	1952

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

18721	PATUXENT RIVER, MARYLAND	1945-1977	AUGUST
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	78.4	25.8	85.9	29.9	97	36.1	1968	71.0	21.7	63	17.2	1976
2	77.6	25.3	84.7	29.3	96	35.6	1955	70.5	21.4	64	17.8	1976*
3	77.3	25.2	84.5	29.2	95	35.0	1975	70.2	21.2	60	15.6	1965
4	76.9	24.9	83.6	28.7	97	36.1	1963	70.2	21.2	60	15.6	1976
5	75.9	24.4	82.9	28.3	96	35.6	1977	68.8	20.4	60	15.6	1951
6	76.1	24.5	83.6	28.7	97	36.1	1977*	68.7	20.4	59	15.0	1951
7	76.7	24.8	83.8	28.8	97	36.1	1977	69.5	20.8	61	16.1	1948
8	77.0	25.0	84.1	28.9	92	33.3	1977*	69.8	21.0	62	16.7	1950
9	77.5	25.3	84.7	29.3	92	33.3	1968	70.3	21.3	60	15.6	1964
10	77.8	25.4	85.1	29.5	95	35.0	1977	70.5	21.4	63	17.2	1976*
11	77.1	25.1	84.0	28.9	95	35.0	1949	70.1	21.2	59	15.0	1972
12	76.4	24.7	84.3	29.1	96	35.6	1977	68.5	20.3	57	13.9	1974
13	76.4	24.7	83.3	28.5	91	32.8	1975*	69.5	20.8	61	16.1	1964
14	76.8	24.9	83.8	28.8	93	33.9	1959	69.7	20.9	60	15.6	1964
15	77.7	25.4	85.0	29.4	98	36.7	1947	70.3	21.3	58	14.4	1964
16	77.8	25.4	85.0	29.4	97	36.1	1966	70.6	21.4	60	15.6	1964
17	77.1	25.1	84.0	28.9	97	36.1	1968	70.2	21.2	63	17.2	1976
18	76.5	24.7	83.0	28.3	95	35.0	1966	69.9	21.1	64	17.8	1953
19	76.2	24.6	83.0	28.3	95	35.0	1966*	69.4	20.8	61	16.1	1953
20	76.2	24.6	83.2	28.4	93	33.9	1962	69.1	20.6	61	16.1	1976
21	76.3	24.6	83.0	28.3	96	35.6	1959	69.6	20.9	61	16.1	1976
22	76.5	24.7	83.4	28.6	96	35.6	1959	69.7	20.9	63	17.2	1969*
23	75.6	24.2	81.9	27.7	97	36.1	1964	69.3	20.7	60	15.6	1956*
24	75.1	23.9	82.2	27.9	91	32.8	1968	68.0	20.0	58	14.4	1952
25	75.4	24.1	82.3	27.9	96	35.6	1968	68.4	20.2	60	15.6	1977*
26	75.7	24.3	83.6	28.7	93	33.9	1948	67.9	19.9	58	14.4	1977*
27	76.2	24.6	83.7	28.7	95	35.0	1948	68.6	20.3	56	13.3	1945
28	76.4	24.7	84.0	28.9	94	34.4	1970*	68.9	20.5	59	15.0	1965*
29	77.3	25.2	84.9	29.4	97	36.1	1948	69.6	20.9	54	12.2	1965
30	77.1	25.1	84.9	29.4	97	36.1	1953	69.4	20.8	57	13.9	1965
31	76.7	24.8	84.0	28.9	97	36.1	1953	69.5	20.8	58	14.4	1946
Monthly	76.7	24.8	83.9	28.8	98	36.7	1947	69.5	20.8	54	12.2	1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

18721	PATUXENT RIVER, MARYLAND	1945-1977	SEPTEMBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	75.8	24.3	82.8	28.2	93	33.9	1956*	68.8	20.4	58	14.4	1948*
2	75.1	23.9	82.1	27.8	95	35.0	1953	68.2	20.1	57	13.9	1948
3	74.8	23.8	82.1	27.8	93	33.9	1954	67.5	19.7	57	13.9	1967
4	74.9	23.8	82.1	27.8	94	34.4	1966	67.7	19.8	58	14.4	1974*
5	74.8	23.8	81.6	27.6	93	33.9	1964	68.0	20.0	59	15.0	1963
6	73.8	23.2	80.5	26.9	95	35.0	1954	67.2	19.6	57	13.9	1963
7	72.9	22.7	79.8	26.6	95	35.0	1954	66.0	18.9	56	13.3	1965
8	72.5	22.5	79.5	26.4	90	32.2	1976*	65.5	18.6	58	14.4	1963*
9	72.6	22.6	79.6	26.4	89	31.7	1976	65.5	18.6	55	12.8	1951
10	72.7	22.6	80.2	26.8	92	33.3	1970	65.2	18.4	55	12.8	1956*
11	72.2	22.3	79.7	26.5	92	33.3	1964	64.8	18.2	55	12.8	1976*
12	72.3	22.4	79.8	26.6	91	32.8	1963	64.8	18.2	56	13.3	1967*
13	71.3	21.8	79.1	26.2	92	33.3	1952	63.6	17.6	54	12.2	1968
14	71.6	22.0	79.0	26.1	93	33.9	1952	64.2	17.9	50	10.0	1953
15	71.1	21.7	78.2	25.7	88	31.1	1970*	64.0	17.8	54	12.2	1946
16	70.6	21.4	77.3	25.2	94	34.4	1970	63.9	17.7	54	12.2	1946
17	70.5	21.4	76.9	24.9	91	32.8	1958	64.1	17.8	52	11.1	1959
18	70.1	21.2	77.5	25.3	90	32.2	1970	62.7	17.1	52	11.1	1959
19	71.4	21.9	78.1	25.6	88	31.1	1965	64.7	18.2	53	11.7	1959
20	70.3	21.3	76.7	24.8	88	31.1	1963	63.8	17.7	52	11.1	1959*
21	69.5	20.8	76.5	24.7	92	33.3	1974	62.5	16.9	46	7.8	1956
22	68.1	20.1	74.9	23.8	90	32.2	1970	61.3	16.3	53	11.7	1962*
23	67.1	19.5	74.2	23.4	92	33.3	1970	60.0	15.6	50	10.0	1974*
24	66.9	19.4	74.3	23.5	89	31.7	1970	59.5	15.3	48	8.9	1974*
25	67.7	19.8	74.7	23.7	90	32.2	1970	60.8	16.0	46	7.8	1950
26	67.5	19.7	74.2	23.4	87	30.6	1972*	60.8	16.0	47	8.3	1950
27	67.0	19.4	73.9	23.3	84	28.9	1970	60.2	15.7	47	8.3	1947
28	66.5	19.2	72.8	22.7	84	28.9	1973	60.2	15.7	50	10.0	1957
29	65.7	18.7	72.7	22.6	88	31.1	1973*	58.7	14.8	48	8.9	1951
30	65.1	18.4	72.2	22.3	87	30.6	1954	57.9	14.4	46	7.8	1951
31												
Monthly	70.8	21.6	77.8	25.4	95	35.0	1954*	63.7	17.6	46	7.8	1956*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5525 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13721	PATUXENT RIVER, MARYLAND	1945-1977	OCTOBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	64.8	18.2	71.5	21.9	86	30.0	1954	58.1	14.5	40	4.4	1947
2	64.7	18.2	72.5	22.5	87	30.6	1954	56.9	13.8	44	6.7	1974
3	64.5	18.1	72.0	22.2	93	33.9	1968	57.1	13.9	40	4.4	1974
4	63.3	17.4	70.8	21.6	92	33.3	1954	55.8	13.2	38	3.3	1974
5	63.7	17.6	71.7	22.1	90	32.2	1959	55.7	13.2	40	4.4	1965
6	63.5	17.5	71.3	21.8	87	30.6	1959	55.7	13.2	40	4.4	1965
7	63.6	17.6	70.8	21.6	83	28.3	1963*	56.4	13.6	45	7.2	1954
8	62.7	17.1	69.7	20.9	83	28.3	1959	55.7	13.2	44	6.7	1953
9	63.0	17.2	69.4	20.8	84	28.9	1959	56.5	13.6	43	6.1	1953
10	62.4	16.9	69.8	21.0	86	30.0	1949	55.0	12.8	42	5.6	1964
11	61.8	16.6	69.2	20.7	88	31.1	1954	54.4	12.4	38	3.3	1964
12	62.0	16.7	70.0	21.1	87	30.6	1954	53.9	12.2	39	3.9	1964
13	61.3	16.3	68.8	20.4	89	31.7	1954	53.7	12.1	43	6.1	1964*
14	62.0	16.7	69.2	20.7	85	29.4	1975	54.7	12.6	43	6.1	1977*
15	62.3	16.8	70.5	21.4	86	30.0	1975	54.0	12.2	43	6.1	1972*
16	60.9	16.1	68.6	20.3	80	26.7	1958	53.2	11.8	40	4.4	1977
17	60.5	15.8	68.0	20.0	80	26.7	1963	53.0	11.7	38	3.3	1977
18	59.8	15.4	67.1	19.5	82	27.8	1963	52.6	11.4	36	2.2	1977
19	58.3	14.6	65.2	18.4	79	26.1	1947*	51.4	10.8	37	2.8	1972
20	58.1	14.5	65.5	18.6	84	28.9	1969	50.6	10.3	32	0.0	1974
21	57.3	14.1	65.2	18.4	82	27.8	1947	49.5	9.7	33	0.6	1974
22	58.4	14.7	65.7	18.7	83	28.3	1949	51.1	10.6	34	1.1	1974
23	59.4	15.2	67.0	19.4	80	26.7	1947	51.8	11.0	35	1.7	1969
24	58.5	14.7	65.5	18.6	77	25.0	1975*	51.6	10.9	33	0.6	1969
25	56.7	13.7	63.5	17.5	74	23.3	1961*	49.9	9.9	36	2.2	1969
26	55.3	12.9	62.6	17.0	76	24.4	1947	48.0	8.9	36	2.2	1952
27	56.0	13.3	63.7	17.6	78	25.6	1951	48.3	9.1	35	1.7	1976
28	55.8	13.2	62.8	17.1	74	23.3	1947	48.8	9.3	34	1.1	1976
29	56.0	13.3	63.3	17.4	79	26.1	1946	48.6	9.2	30	-1.1	1965
30	55.4	13.0	62.7	17.1	79	26.1	1950*	48.1	8.9	32	0.0	1952
31	56.8	13.8	64.7	18.2	83	28.3	1946	49.0	9.4	35	1.7	1968
Monthly	60.3	15.7	67.7	19.8	93	33.9	1968	52.9	11.6	30	-1.1	1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13721	PATUXENT RIVER, MARYLAND	1945-1977	NOVEMBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	56.7	13.7	64.5	18.1	82	27.8	1950	48.9	9.4	33	0.6	1954
2	57.7	14.3	65.2	18.4	85	29.4	1968	50.2	10.1	27	-2.8	1976
3	56.7	13.7	64.4	18.0	77	25.0	1953	48.9	9.4	32	0.0	1951
4	54.6	12.6	61.8	16.6	79	26.1	1975*	47.4	8.6	31	-0.6	1951
5	52.8	11.6	59.6	15.3	79	26.1	1975	46.1	7.8	33	0.6	1976
6	51.0	10.6	58.4	14.7	78	25.6	1948	43.7	6.5	29	-1.7	1976
7	50.9	10.5	58.7	14.8	78	25.6	1975	43.1	6.2	30	-1.1	1953
8	51.1	10.6	59.0	15.0	79	26.1	1975	43.2	6.2	29	-1.7	1976*
9	51.5	10.8	58.8	14.9	76	24.4	1966	44.2	6.8	24	-4.4	1976
10	50.6	10.3	57.7	14.3	78	25.6	1966	43.6	6.4	33	0.6	1973
11	49.9	9.9	57.3	14.1	76	24.4	1949	42.5	5.8	32	0.0	1976*
12	50.7	10.4	58.4	14.7	72	22.2	1967*	43.0	6.1	30	-1.1	1957
13	50.7	10.4	57.9	14.4	76	24.4	1964	43.4	6.3	31	-0.6	1976
14	51.6	10.9	59.7	15.4	78	25.6	1955	43.5	6.4	29	-1.7	1976
15	49.9	9.9	57.1	13.9	80	26.7	1973	42.6	5.9	26	-3.3	1967
16	51.3	10.7	59.7	15.4	78	25.6	1955	42.9	6.1	23	-5.0	1967
17	50.1	10.1	58.3	14.6	72	22.2	1955	41.9	5.5	28	-2.2	1959
18	49.0	9.4	56.7	13.7	71	21.7	1975*	41.4	5.2	23	-5.0	1959
19	49.0	9.4	56.7	13.7	73	22.8	1976*	41.2	5.1	26	-3.3	1951
20	47.6	8.7	54.8	12.7	72	22.2	1948	40.4	4.7	26	-3.3	1951
21	46.3	7.9	53.7	12.1	72	22.2	1956	39.0	3.9	24	-4.4	1969
22	45.8	7.7	53.3	11.8	68	20.0	1973*	38.3	3.5	21	-6.1	1969
23	45.6	7.6	53.5	11.9	69	20.6	1955*	37.7	3.2	24	-4.4	1970*
24	46.2	7.9	54.1	12.3	72	22.2	1958	38.4	3.6	21	-6.1	1970*
25	44.6	7.0	52.1	11.2	80	26.7	1973	37.2	2.9	20	-6.7	1950
26	44.3	6.8	51.8	11.0	73	22.8	1946	36.8	2.7	19	-7.2	1950
27	46.5	8.1	54.0	12.2	69	20.6	1976*	38.9	3.8	26	-3.3	1977*
28	46.2	7.9	53.9	12.2	77	25.0	1973	38.5	3.6	23	-5.0	1955
29	43.3	6.3	50.8	10.4	72	22.2	1968	35.9	2.2	16	-8.9	1955
30	40.4	4.7	47.0	8.3	64	17.8	1973	33.8	1.0	20	-6.7	1976*
31												
Monthly	49.4	9.7	57.0	13.9	85	29.4	1968	41.9	5.5	16	-8.9	1955

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MEAN 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

18721	PATUXENT RIVER, MARYLAND	1965-1977	DECEMBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	39.9	4.4	47.4	8.6	71	21.7	1946	32.4	0.2	20	-6.7	1976*
2	40.9	4.9	48.6	9.2	66	18.9	1970	33.2	0.7	23	-5.0	1964
3	43.3	6.3	50.5	10.3	71	21.7	1950	36.1	2.3	17	-8.3	1966
4	43.9	6.6	51.8	11.0	71	21.7	1973	36.0	2.2	14	-10.0	1966
5	44.2	6.8	52.2	11.2	67	19.4	1973	36.1	2.3	22	-5.6	1966
6	43.2	6.2	51.2	10.7	71	21.7	1975	35.2	1.8	22	-5.6	1954
7	43.3	6.3	50.8	10.4	74	23.3	1956	35.9	2.2	20	-6.7	1954
8	43.2	6.2	50.7	10.4	74	23.3	1966	35.7	2.1	20	-6.7	1954
9	41.9	5.5	49.0	9.4	74	23.3	1951	34.8	1.6	19	-7.2	1976
10	40.6	4.8	47.4	8.6	75	23.9	1966	33.8	1.0	15	-9.4	1968
11	39.2	4.0	46.1	7.8	68	20.0	1971	32.4	0.2	15	-9.4	1968
12	40.4	4.7	47.0	8.3	66	18.9	1946	33.9	1.1	14	-10.0	1957
13	40.7	4.8	48.0	8.9	67	19.4	1956	33.5	0.8	12	-11.1	1960
14	39.7	4.3	46.4	8.0	64	17.8	1948	33.0	0.6	13	-10.6	1960
15	38.3	3.5	45.0	7.2	70	21.1	1971	31.5	-0.3	13	-10.6	1958
16	37.4	3.0	44.5	6.9	75	23.9	1971	30.3	-0.9	10	-12.2	1958
17	37.9	3.3	45.4	7.4	60	15.6	1946	30.4	-0.9	15	-9.4	1951
18	37.7	3.2	45.3	7.4	61	16.1	1966	30.2	-1.0	18	-7.8	1953
19	37.4	3.0	44.4	6.9	63	17.2	1957	30.4	-0.9	16	-8.9	1964*
20	38.3	3.5	45.4	7.4	63	17.2	1972	31.2	-0.4	14	-10.0	1963
21	38.0	3.3	44.2	6.8	67	19.4	1956	31.8	-0.1	18	-7.8	1963
22	36.4	2.4	42.7	5.9	68	20.0	1949	30.1	-1.1	18	-7.8	1963*
23	37.8	3.2	45.4	7.4	64	17.8	1949	30.2	-1.0	18	-7.8	1960*
24	38.6	3.7	44.7	7.1	65	18.3	1974	32.5	0.3	17	-8.3	1945
25	38.1	3.4	44.7	7.1	72	22.2	1964	31.4	-0.3	20	-6.7	1966*
26	38.9	3.8	46.3	7.9	70	21.1	1964	31.4	-0.3	17	-8.3	1948
27	38.0	3.3	45.0	7.2	68	20.0	1973*	30.9	-0.6	16	-8.9	1977*
28	39.1	3.9	46.6	8.1	74	23.3	1971	31.5	-0.3	17	-8.3	1966
29	38.9	3.8	45.9	7.7	63	17.2	1954	31.9	-0.1	18	-7.8	1977
30	39.0	3.9	46.3	7.9	70	21.1	1971	31.8	-0.1	16	-8.9	1976
31	37.8	3.2	44.4	6.9	72	22.2	1965	31.2	-0.4	15	-9.4	1962
Monthly	39.7	4.3	46.9	8.3	75	23.9	1971*	32.6	0.3	10	-12.2	1958

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET--SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

18781 PATUXENT RIVER, MARYLAND 45-77
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			85	79	86	97	95	91	89	79		55	
46	66	74	75	80	86	91	94	90	89	83	76	73	94
47	72	57	69	84	89	89	92	98	90	82	65	61	98
48	56	78	85	80	85	95	94	97	87	77	78	66	97
49	72	75	82	85	88	94	95	99	86	86		68	
50	78		73	80	87	95	92	91	88	82	82	71	
51	71	69	70	86	84	94	94	91	89	89	75		
52		60	75	87	85	99	100	92	93	86		59	
53	72	69	68	86	91	91	100	97	95	79	77		
54	70	76	75	86	85	98	100	95	95	92	68	66	100
55	65	68	79	85	92	90	97	97	85	83	78	68	97
56	65	68	72	85	93	93	94	95	93	79	74	74	95
57	68	68	65	84	89	95	96	92	91	74	73	66	96
58	55	61	55	77	83	91	98	92	91	83	73	62	98
59	69	70	75	87	90	99	93	96	89	90	78	61	99
60	63	68	75	91	85	92	98	94	86	78	70	60	94
61	55	72	82	84	87	89	90	88	89	80	71	59	90
62	57	61	74	81	90	90	88	95	90	83	60	55	95
63	62	57	78	82	94	94	96	97	91	83	71	61	97
64	68	62	80	90	94	101	94	97	93	75	76	72	101
65	65	66	70	85	97	95	95	91	88	76	74	72	97
66	67	64	80	80	89	94	99	97	94	84	78	75	99
67	73	70	79	90	86	95	95	92	82	84	72	65	95
68	59	56	78	79	86	92	99	97	87		85	68	
69	67	50	77	91	93	98	94	92	89	84	65	60	98
70	69	61	62	82	88	93		94	94	84	65	66	
71	62	70	74	78	83	90	91	91	86	80	85	75	91
72	66	77	80	86	83	87	92	89	88	79	78	65	92
73	61	60	77	89	87	90	92	94	89	84	80	71	94
74	75	70	80	91	90	92	93	88	92	80	80	66	93
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 45-77 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	74	65	68	77	87	91	91	95	87	86	79	71	95
76	63	80	81	87	83	88	92	92	90	77	73	60	92
77	53	74	83	84	87	89	95	97	89	83	73	60	97
MEAN	65.7	66.7	73.2	84.2	87.9	93.1	94.3	93.8	89.5	82.0	74.3	65.5	95.5
S. D.	6.608	7.234	6.668	4.164	2.608	3.491	2.958	2.916	3.022	4.212	5.797	5.784	2.888
TOTAL OBS.	961	876	1023	990	1023	990	992	1023	990	992	900	961	11721

NAVWEASERVCOM

196085

5223 Extreme Values Jan 1969

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13721 PATUXENT RIVER, MARYLAND 45-77
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45											78 29		MAX TEMP DAYS
49											76 29		MAX TEMP DAYS
50		62 27											MAX TEMP DAYS
51												74 29	MAX TEMP DAYS
52	74 30										71 29		MAX TEMP DAYS
53												68 30	MAX TEMP DAYS
68										93 30			MAX TEMP DAYS
70							99 21						MAX TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13721 PATUXENT RIVER, MARYLAND 45-77
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			33	36	42	50	61	56	56	42		16	
46	17	18	32	38	44	53	61	58	54	46	34	23	17
47	14	8	26	34	39	53	61	67	47	40	29	25	8
48	10	16	20	37	47	56	60	60	56	38	36	17	10
49	23	26	25	37	49	56	66	63	49	43	26	25	23
50	24		17	26	45	54	64	62	46	44	19	16	
51	16	12	28	34	48	55	60	59	46	44	26		
52		27	25	35	44	56	55	58	51	32		22	
53	25	24	24	32	52	48	64	61	50	43	30		
54	16	20	22	29	42	55	61	59	55	40	31	19	16
55	14	13	24	35	46	56	63	65	57	40	16	17	13
56	22	22	25	32	42	55	61	60	46	46	21	25	21
57	10	25	30	32	42	55	62	63	49	35	30	14	10
58	18	7	30	37	48	54	67	65	53	43	20	10	7
59	11	15	29	37	45	53	66	63	52	42	23	22	11
60	20	21	16	33	45	58	64	62	58	38	30	12	12
61	7	10	25	31	45	58	60	62	55	42	33	22	7
62	12	17	20	36	50	61	62	62	53	38	36	15	12
63	9	10	30	44	44	56	59	58	48	43	34	14	9
64	14	22	26	32	46	52	62	58	53	36	22	16	14
65	3-	9	19	30	52	54	60	54	54	30	27	25	3-
66	12	12	25	35	36	50	64	63	53	40	30	14	12
67	10	12	15	37	43	45	58	61	49	39	23	21	10
68	9	10	21	36	43	58	64	59			27	15	
69	10	18	21	28	44	58	63	61	49	33	21	21	10
70	4	10	23	33	41	58		64	49	41	21	22	
71	14	9	27	35	44	59	64	63	58	51	31	24	9
72	7	19	26	30	49	50	56	59	55	35	27	22	7
73	18	12	28	37	43	56	62	62	54	40	32	21	12
74	21	21	27	35	44	55	65	57	48	32	26	26	21
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

196099
5723 Extreme Values Jan 1969

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13721 PATUXENT RIVER, MARYLAND 45-77
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	23	22	29	31	45	58	64	65	56	38	36	20	20
76	14	18	30	35	44	52	60	59	54	34	20	16	14
77	3-	11	29	31	39	51	57	58	55	36	26	16	3-
MEAN	13.5	16.0	24.9	33.9	44.6	54.5	61.8	60.8	52.1	39.5	27.2	19.1	11.5
S D.	7.022	5.910	4.526	3.491	3.526	3.429	2.862	2.924	3.661	4.677	5.552	4.403	6.218
TOTAL OBS.	961	876	1023	990	1023	990	992	1023	960	992	930	961	11721

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5723 Extreme Values Jan 1969

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13721 PATUXENT RIVER, MARYLAND 45-77
STATION STATION NAME YEARS

196103

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45											27 29		MIN TEMP DAYS
50		17 27											MIN TEMP DAYS
51												14 29	MIN TEMP DAYS
52	16 30										27 29		MIN TEMP DAYS
53												18 30	MIN TEMP DAYS
68									53 29	35 30			MIN TEMP DAYS
70							66 21						MIN TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — JAN MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
74/ 73								.3										4	4		
72/ 71							.2											2	2		
70/ 69						.1	.1											2	2		
68/ 67			.2															3	3		
66/ 65								.1										1	1		
64/ 63		.2		.1	.1													4	4	3	
62/ 61		.2	.1		.2	.2												8	8	2	4
60/ 59	.1	.1		.2	.2			.1										8	8	12	2
58/ 57	.1	.3		.2	.2	.2	.1											14	14	3	4
56/ 55	.1	.6	.1	.1	.3	.4	.1											20	20	8	4
54/ 53		.6	.3	.4	.2	.2	.1											22	22	14	7
52/ 51		.4	.6	.4		.2	.1											21	21	16	11
50/ 49	.2	.5	.6	.3	.6	.2	.1											33	33	15	21
48/ 47	.2	1.0	.7	.9	.9	.1	.1											47	47	34	16
46/ 45	.3	1.6	.6	1.2	.2	.3	.1											54	54	36	17
44/ 43	.6	3.0	1.1	.6	1.7	.3												92	92	58	30
42/ 41	1.0	2.0	2.4	1.8	.7	.1												99	99	80	57
40/ 39	1.3	1.9	1.7	1.1	.6													81	81	82	59
38/ 37	1.6	3.2	1.6	1.7	.2													104	104	94	63
36/ 35	1.4	2.4	2.8	1.9	.2													108	108	118	78
34/ 33	.4	1.8	2.3	1.4	.3	.1												77	77	84	69
32/ 31	.6	1.9	2.3	1.3	.2													79	79	93	76
30/ 29	.9	1.2	2.9	1.1	.2													78	80	82	70
28/ 27	.4	1.5	2.4	.7														62	62	75	57
26/ 25	.2	1.3	2.3	.5														54	54	78	67
24/ 23	.1	1.3	1.7	.4														43	43	57	57
22/ 21		1.3	1.8															38	38	59	64
20/ 19	.2	1.1	.6															22	22	48	47
18/ 17		.9	.2															14	14	25	75
16/ 15		.6	.2															11	11	18	50
14/ 13		.3	.1															5	5	11	43
12/ 11	.1	.4																6	6	6	42
10/ 9		.8																10	10	7	38
8/ 7		.2																3	3	8	24

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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1 JAN 68 PSYCHROMETRIC SUMMARY

PSYCHROMETRIC SUMMARY

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 YEARS | JAN MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
6/ 5		.2																3	3	4	34
4/ 3	.1	.1																2	2	3	10
2/ 1		.1																1	1	1	16
0/- 1	.1																	1	1	2	3
- 2/- 3	.2																	2	2	2	9
-4 /- 5																					4
- 6/- 7																					5
- 8/- 9																					4
-10/-11																					1
TOTAL	10.1	32.9	29.9	16.3	7.3	2.3	.8	.5											1240		1238
																		1238		1238	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	6423563	86353	69.8	17.988	1238							
Dry Bulb	1789687	45075	36.4	11.038	1240	1.8	261.6	6.6	2.4			744.0
Wet Bulb	1482613	40865	33.0	10.396	1238	2.4	348.0					744.0
Dew Point	1090191	32981	26.6	13.077	1238	15.6	478.4					744.0

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5965 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 YEARS | FEB MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
78/ 77										.2	.1							3	3		
76/ 75										.1								1	1		
74/ 73								.2			.1		.1					4	4		
72/ 71							.2			.1	.1							4	4		
70/ 69					.1			.1			.1							3	3		
68/ 67				.1			.1	.1										3	3		
66/ 65					.4	.1	.1	.2	.2	.2								12	12		
64/ 63				.1	.2	.3	.1	.1	.3	.1								12	12		
62/ 61			.2	.2		.1	.1	.5	.1									13	13	5	
60/ 59		.1	.1	.4	.2	.2	.6	.4	.1	.1								24	24	5	1
58/ 57		.2	.2	.3	.5	.4		.7	.2									28	28	11	3
56/ 55		.4	.1	.7	.3	.4	.4											26	26	8	3
54/ 53	.2	.6	.4	.4	.4	.7	.4	.5										41	41	23	12
52/ 51	.1	.5	.8	.4	.6	.7	.3											38	38	28	12
50/ 49	.2	.6	.4	.5	.5	.7	.2											35	35	29	14
48/ 47		1.1	.5	.7	1.0	1.2	.4											54	54	47	22
46/ 45	.1	1.5	.7	1.1	1.6	.8	.2											67	67	48	31
44/ 43	.5	1.2	1.2	1.4	.8	.6												66	66	63	36
42/ 41	.4	1.3	1.2	1.7	1.1	.4												67	67	64	30
40/ 39	.4	2.1	1.9	1.5	1.2		.1											80	80	70	38
38/ 37	.4	2.8	2.2	1.4	1.1	.1												91	91	85	42
36/ 35	.4	2.1	3.1	1.4	.8													88	88	93	52
34/ 33	.6	3.5	2.2	2.0	.2													97	97	110	75
32/ 31		1.7	2.1	1.2	.3													60	60	102	67
30/ 29		1.6	2.5	1.2														60	60	70	81
28/ 27	.6	1.0	2.4	.3														48	48	79	96
26/ 25	.1	.5	1.5	.5														30	30	51	81
24/ 23	.1	.9	1.2	.1														25	25	44	65
22/ 21		.5	.6															13	13	30	55
20/ 19		.6	.4															12	12	25	47
18/ 17		.3	.4															7	7	10	47
16/ 15	.4	.1	.1															6	6	17	46
14/ 13		.4	.2															6	6	2	63
12/ 11		.4																4	4	5	44

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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NAVMETOCCOM 2097-84321

5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 YEARS | FEB MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
10/ 9																			4	17
8/ 7																				12
6/ 5																				9
4/ 3																				10
2/ 1																				9
0/- 1																				1
- 2/- 3																				7
TOTAL	4.3	26.2	26.4	17.6	11.0	6.6	3.0	2.8	.8	.7	.4		.1						1128	1128
																		1128		1128

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4978457	71665	63.5	19.427	1128							
Dry Bulb	1975114	45412	40.3	11.416	1128		161.4	10.7	4.8			672.0
Wet Bulb	1522725	40003	35.5	9.609	1128		261.5					672.0
Dew Point	1011989	31119	27.6	11.670	1128	4.8	451.0					672.0

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — MAR MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
82/ 81									.2									3	3		
80/ 79								.2			.1							3	3		
78/ 77									.1	.2								3	3		
76/ 75						.1	.1	.1										3	3		
74/ 73					.1	.1	.1	.2		.1								6	6		
72/ 71						.2	.2	.1	.1									8	8		
70/ 69					.2	.2			.2	.1								9	9		
68/ 67			.1	.2	.2	.4	.1	.1	.1									14	14		
66/ 65				.3	.2	.3	.2		.1	.2								18	18	7	
64/ 63		.2	.4	.3	.4	.4	.2	.1	.2	.2								28	28	5	
62/ 61		.4	.5	.2	.6	.2	.6	.2	.2	.1								37	37	19	2
60/ 59		.4	.8	.6	.5	.6	.5	.2	.2									47	47	24	9
58/ 57	.1	.4	1.0	.8	.3	.5	.6	.1	.2									49	49	27	22
56/ 55	.4	.9	.7	.7	.5	.7	1.1	.4										68	68	39	20
54/ 53	.3	1.3	1.5	.5	1.2	.9	.8	.2	.1									84	84	56	32
52/ 51	.2	1.9	1.5	.8	1.7	.7	1.0	.1										97	97	53	44
50/ 49	.6	2.7	1.1	1.2	1.5	1.3	.6	.2										115	115	85	60
48/ 47	1.1	3.6	1.8	1.3	1.5	1.2	.4											135	135	101	83
46/ 45	.8	2.6	1.8	1.5	1.3	.6	.1											106	106	124	96
44/ 43	.7	2.7	1.7	1.7	1.5	.6												112	112	128	53
42/ 41	.6	.9	1.8	1.4	1.3	.2												75	75	112	62
40/ 39	.8	1.1	1.4	1.2	.4	.2												63	63	108	86
38/ 37	.6	1.0	.6	1.4	.6	.2												54	54	114	75
36/ 35	.2	1.2	.5	.7	.4													37	37	73	69
34/ 33		.3	.3	1.1	.1													23	23	54	75
32/ 31	.2	.2	.4	.5														15	15	31	78
30/ 29		.3	1.1	.2														21	21	27	52
28/ 27		.1	.2	.1														5	5	27	55
26/ 25																				18	53
24/ 23			.2															2	2	5	58
22/ 21																				1	38
20/ 19																				2	34
18/ 17																					27
16/ 15																					28

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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NAVAIR 50-1C-532 (REV. 5-67)

PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — MAR MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
14/ 13																					12
12/ 11																					19
10/ 9																					5
8/ 7																					2
TOTAL	6.6	22.2	19.4	16.9	14.6	9.5	6.5	2.0	1.5	.8	.1							1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5959086	81996	66.1	20.819	1240							
Dry Bulb	3049250	60396	48.7	9.317	1240		25.8	29.4	10.8	3.6		744.0
Wet Bulb	2416536	53768	43.4	8.286	1240		66.6					744.0
Dew Point	1813200	45290	36.5	11.328	1240		271.2					744.0

NAVWEASERVCOM

5125 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — APR MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
90/ 89												.1	.1					2	2		
88/ 87											.1							1	1		
86/ 85											.1	.1						2	2		
84/ 83									.1	.2	.3	.3	.1					12	12		
82/ 81									.2	.5		.1	.1					11	11		
80/ 79						.1	.2	.2	.2	.1	.1							10	10		
78/ 77							.2	.2	.2	.3	.1							13	13		
76/ 75					.1	.1	.4	.2	.3	.1								15	15		
74/ 73					.2	.3	.4	.5			.1							19	19		
72/ 71				.4	.3	.2	.1	.4	.2	.2	.2							26	26		
70/ 69			.4	.3	.7	.2	.6	.2	.1	.2	.1							35	35	1	
68/ 67			.7	.8	.8	.5	.5	.2	.5	.2	.1							54	54	10	
66/ 65		.5	.9	.5	.7	.8	.6	.4	.6	.2								63	63	33	
64/ 63		.7	.6	.9	1.0	.7	.5	.8	.6									70	70	53	18
62/ 61		.5	.5	1.2	.8	.4	.3	.6	.2									55	55	56	28
60/ 59	.4	1.0	1.1	.6	.7	.4	1.7	.3	.1									77	77	46	33
58/ 57	.2	.5	1.4	.7	1.2	1.4	1.1	.5										84	84	66	39
56/ 55	.4	1.1	2.2	.9	.8	2.1	.9	.3										105	105	79	51
54/ 53	.1	1.2	1.6	1.4	1.1	1.3	.7	.3										94	94	80	51
52/ 51	.1	1.0	2.3	1.3	2.1	1.2	.7	.1										105	105	83	84
50/ 49	.2	1.0	1.3	1.8	2.3	.7	.2											91	91	91	74
48/ 47	.2	.7	.7	1.7	1.1	.7	.2											63	63	117	69
46/ 45		.2	1.2	1.4	1.2	.4	.1											55	55	107	57
44/ 43	.1	.9	1.3	.8	.7	.4												51	51	85	65
42/ 41	.3	.2	1.1	.5	.3	.2												32	32	102	58
40/ 39		.2	.5	.8	.2													21	21	68	67
38/ 37	.1	.1	.1	.6	.2													12	12	43	71
36/ 35		.1	.7	.5														15	15	29	88
34/ 33		.1	.2	.2	.1													6	6	22	87
32/ 31				.1														1	1	19	61
30/ 29																				6	48
28/ 27																				4	40
26/ 25																					30
24/ 23																					26

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

5 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 YEARS | APR MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
22/ 21																					23
20/ 19																					12
18/ 17																					11
16/ 15																					6
14/ 13																					2
12/ 11																					1
TOTAL	2.0	10.0	18.9	17.6	16.9	12.2	9.5	5.5	3.3	2.0	1.2	.6	.2					1200	1200	1200	1200

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	4820523	72589	60.5	18.927	1200							
Dry Bulb	3960769	67819	56.5	10.329	1200		.6	120.0	51.0	19.2		720.0
Wet Bulb	2994420	59038	49.2	8.656	1200		17.4	6.6				720.0
Dew Point	2228228	49942	41.6	11.176	1200		156.0					720.0

NAVWEASERVCOM

5105 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 YEARS | MAY MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
90/ 89									.1	.1								2	2		
88/ 87								.1										1	1		
86/ 85								.1		.1	.1							3	3		
84/ 83				.1		.2	.2	.1	.1									7	7		
82/ 81					.2	.1	.2	.2	.4	.1								16	16		
80/ 79				.2	.6	.6	1.0	.6	.2	.2	.1	.1						44	44		
78/ 77			.1	.5	.5	.5	.5	.2	.2	.2								31	31	1	
76/ 75				.6	.3	.8	.5		.3		.2							34	34	1	
74/ 73			1.4	1.0	.8	.8	.6	.6	.4	.1	.1							71	71	16	1
72/ 71		.4	2.2	.9	.6	.6	.4	.4	.1	.2								73	73	25	5
70/ 69	.1	1.3	1.6	1.2	1.1	.5	1.0	.2	.2									89	89	49	24
68/ 67	.5	1.0	1.6	1.1	.6	.9	.5	.2	.2									82	82	91	55
66/ 65	1.0	1.1	1.5	1.5	1.9	1.2	.7	.5	.3	.1								122	122	102	84
64/ 63	1.5	2.2	1.4	1.6	1.5	.4	.5	.2	.2	.1								116	116	99	68
62/ 61	2.0	1.7	1.5	1.1	1.1	.5	.3	.4										108	108	126	99
60/ 59	2.1	1.2	1.5	1.2	1.0	.3	.8	.2										103	103	108	106
58/ 57	1.2	1.9	1.2	1.5	.6	.9	.3	.1										95	95	126	113
56/ 55	1.3	1.5	1.7	.2	.2	.9	.2											74	74	110	96
54/ 53	.9	1.2	1.0	.6	.5	.9	.3											68	68	104	83
52/ 51	.3	1.0	.6	.6	.4	.3	.1											40	40	82	92
50/ 49	.8	.4	.3	.5	.1	.2												29	29	64	88
48/ 47		.2	.3	.4	.1	.1												14	14	66	60
46/ 45	.1	.2	.2	.3	.2													12	12	29	53
44/ 43		.1		.1														2	2	30	36
42/ 41			.1	.2														4	4	16	28
40/ 39																				10	29
38/ 37																				3	24
36/ 35																				2	37
34/ 33																					22
32/ 31																					16
30/ 29																					3
28/ 27																					9
26/ 25																					6
24/ 23																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — MAY MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	11.7	15.4	18.2	15.5	12.5	10.7	8.0	3.9	2.6	1.0	.4	.1						1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	6900656	89348	72.1	19.326	1240							
Dry Bulb	5164309	79335	64.0	8.450	1240			271.8	125.4	26.4		744.0
Wet Bulb	4272244	72180	58.2	7.552	1240			109.8	10.8			744.0
Dew Point	3695580	66584	53.7	9.850	1240		22.2	51.0	2.4			744.0

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — JUN MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31				
92/ 91									.1									1	1		
90/ 89						.2	.1	.2										6	6		
88/ 87					.2	.1	.4	.4		.1								14	14		
86/ 85				.1	.2	.1	1.0	.5	.1	.2								26	26		
84/ 83		.1		.1	.1	.8	.7	.2	.3									28	28		
82/ 81			.2	.5	1.2	1.6	1.4	.2	.2	.2	.1							69	69	1	
80/ 79			.4	1.7	2.2	2.1	.8	.7	.5	.2								104	104	6	1
78/ 77		.1	1.3	2.9	2.2	.8	1.0	.4	.1	.2								108	108	10	1
76/ 75	.2	.8	2.7	3.6	1.6	.6	1.2	.7	.3									141	141	37	17
74/ 73	.1	2.0	4.2	2.2	1.1	.3	1.1	.4	.2									138	138	109	28
72/ 71	.3	3.3	2.3	2.2	.8	.6	.6		.2	.2								128	128	185	78
70/ 69	.7	2.5	2.4	2.0	1.1	.7	.1	.1	.1									117	117	194	184
68/ 67	.5	1.9	2.7	.8	.7	.4		.1	.1									88	88	141	182
66/ 65	.8	1.9	2.5	1.2	.9	.3	.2	.1										95	95	115	133
64/ 63	.1	1.0	1.3	.7	.3	.1	.1	.2										46	46	126	108
62/ 61	.3	1.2	.2	.5	.3													31	31	99	95
60/ 59		.8	.2	.4	.2	.2												22	22	66	91
58/ 57	.2	.2	.4	.4		.2	.1											20	20	36	66
56/ 55		.3	.5	.2	.2													16	16	26	58
54/ 53						.1												1	1	21	53
52/ 51		.1																1	1	16	28
50/ 49																				6	25
48/ 47																				5	19
46/ 45																				1	9
44/ 43																					5
42/ 41																					5
40/ 39																					4
38/ 37																					5
36/ 35																					4
34/ 33																					1
TOTAL	3.3	16.3	21.7	19.6	13.5	9.2	8.7	4.4	2.2	1.0	.1							1200	1200		1200
																				1200	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	6826997	88567	73.8	15.558	1200							
Dry Bulb	6396458	87224	72.7	6.860	1200			580.8	381.0	114.0		720.0
Wet Bulb	5370811	79973	66.6	5.853	1200			409.8	97.8	1.2		720.0
Dew Point	4847104	75758	63.1	7.327	1200			294.6	49.2	.6		720.0

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5 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 YEARS | JUL MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
96/ 95									.2									2	2		
92/ 91							.3	.3	.6	.1	.1							17	17		
90/ 89						.2	.5	.3	.5	.1	.1							21	21		
88/ 87				.1	.2	.9	1.1	.2	.2									35	35		
86/ 85				.2	1.0	1.6	1.4	1.4	.5	.2	.1							77	77		
84/ 83			.1	.5	1.5	2.1	.6	.6	.4	.3	.1							77	77		
82/ 81			.4	1.9	2.1	2.0	1.2	.6	.6	.2	.1							112	112	2	
80/ 79		.2	1.5	3.1	2.2	1.3	1.2	1.0	.6	.1								139	139	21	1
78/ 77		1.3	3.2	2.9	1.3	.8	1.0	.7	.4									145	145	56	12
76/ 75	.2	2.1	4.0	2.5	1.9	1.0	1.5	.2	.3									168	168	141	55
74/ 73	.5	3.7	2.4	2.3	2.1	1.0	.6	.1	.2									159	159	223	115
72/ 71	.7	3.3	2.3	1.4	.8	.5	.3											115	115	209	204
70/ 69	1.0	1.8	1.4	.8	.8	.4	.2											79	79	178	207
68/ 67	.4	.9	1.5	.6	.6	.4	.1											54	54	121	144
66/ 65	.2	.4	.4	.5	.5	.2												26	26	120	119
64/ 63	.3	.2	.1	.1														9	9	83	99
62/ 61	.1	.1		.1	.1													4	4	46	66
60/ 59																				23	58
58/ 57		.1																1	1	14	55
56/ 55																				3	45
54/ 53																					23
52/ 51																					18
50/ 49																					16
48/ 47																					3
TOTAL	3.4	14.1	17.1	16.9	14.9	12.3	10.1	5.5	4.4	.9	.4							1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	6807360	89798	72.4	15.674	1240
Dry Bulb	7386245	95415	76.9	5.978	1240
Wet Bulb	6131429	86997	70.2	4.738	1240
Dew Point	5557510	82660	66.7	6.177	1240

Mean No. of Hours with Temperature						
≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
		720.0	571.2	241.2	1.2	744.0
		570.6	265.8	4.8		744.0
		442.8	167.4	.6		744.0

NAVWEASERVCOM 14TH 2097-54321

5605 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) AUG (MONTH)

PAGE 1 (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 97											.1							1	1		
94/ 93								.1	.2	.3								8	8		
92/ 91						.1	.2	.4	.2									11	11		
90/ 89					.2	.5	.4	.6	.2									22	22		
88/ 87					.2	1.0	1.3	.3	.1									35	35		
86/ 85				.1	1.5	1.9	1.0	.5	.2	.2								65	65		
84/ 83			.2	.7	2.7	1.4	.6	.6	.5		.2							87	87		
82/ 81			1.0	3.1	2.0	.9	.4	1.0										105	105	3	
80/ 79		.3	2.7	3.1	1.5	1.5	.5	.2	.1									121	121	23	1
78/ 77		1.4	3.1	2.9	1.4	.8	.7	.4	.1									134	134	95	15
76/ 75	.5	3.8	4.6	2.5	1.5	1.0	.3	.1										178	178	179	77
74/ 73	1.5	3.8	4.8	1.4	1.5	.9	.2	.1										174	174	234	199
72/ 71	1.7	2.9	2.3	1.2	.8	.2	.2											116	116	219	229
70/ 69	1.0	2.0	1.3	1.2	.6	.2												78	78	153	203
68/ 67	1.0	.6	1.5	.7	.1	.5												55	55	130	137
66/ 65	.2	1.1	.2	.5	.1													26	26	86	87
64/ 63	.2	.2	.3	.2	.1													13	13	58	93
62/ 61	.1	.2	.2	.2														8	8	29	64
60/ 59		.1	.1	.1														3	3	14	59
58/ 57																				13	28
56/ 55																				4	22
54/ 53																					9
52/ 51																					12
50/ 49																					4
48/ 47																					1
TOTAL	6.0	16.5	22.4	17.9	14.0	10.8	5.9	4.3	1.5	.6	.2								1240		1240
																		1240		1240	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7535441	95005	76.6	14.386	1240							
Dry Bulb	7350788	95166	76.7	8.165	1240			714.0	564.6	242.4	5.4	744.0
Wet Bulb	6289969	88129	71.1	4.623	1240			621.6	320.4	8.4		744.0
Dew Point	5816390	84652	68.3	5.493	1240			516.6	249.0	.6		744.0

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0-2067-5431 (REV. 1-71)

5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — SEP MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
90/ 89								.1		.1		.1						3	3		
88/ 87						.1	.2	.1		.1								6	6		
86/ 85			.1		.3	.2	.2		.2									12	12		
84/ 83			.2	.2	.8	.4	.2	.2	.2									26	26		
82/ 81			.2	.5	1.0	.2	.2	.6	.3	.1								38	38	2	
80/ 79		.1	.7	1.5	1.5	1.2	.4	.3		.1								71	71	3	2
78/ 77	.2	.8	.9	.8	1.2	.5	.8	.2										67	67	21	7
76/ 75	.4	1.0	2.1	1.2	1.7	.8	.5	.2	.2	.2								98	98	49	27
74/ 73	1.2	2.2	1.8	2.1	1.5	.6	.7	.2	.1									125	125	86	53
72/ 71	1.8	2.2	2.6	2.4	1.2	.6	.7	.1										139	139	124	86
70/ 69	2.6	1.7	2.8	1.1	1.0	1.3	.2	.2	.2									135	135	137	135
68/ 67	1.2	2.2	3.6	1.7	.8	1.1	.3											132	132	135	96
66/ 65	1.6	3.2	2.8	1.8	1.0	.2	.1	.1										131	131	155	124
64/ 63	.7	1.8	1.7	1.2	.7	.5												80	80	125	129
62/ 61	.7	1.3	.7	.7	.4	.2												48	48	101	111
60/ 59	.1	.6	1.0	.6	.2	.2												32	32	89	98
58/ 57	.2	.5	.9	.4	.3	.2												30	30	65	82
56/ 55		.4	.6	.2	.1													16	16	36	52
54/ 53		.1	.2	.1	.1													6	6	38	48
52/ 51			.1		.1													2	2	15	60
50/ 49				.2	.1													3	3	12	25
48/ 47																				2	23
46/ 45																				2	17
44/ 43																				3	5
42/ 41																					10
40/ 39																					4
38/ 37																					4
36/ 35																					2
TOTAL	10.8	18.4	23.1	16.6	13.9	8.6	4.6	2.3	1.1	.5		.1						1200	1200		1200

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	7542641	93301	77.8	15.509	1200
Dry Bulb	6003825	84483	70.4	6.834	1200
Wet Bulb	5193867	78575	65.5	6.382	1200
Dew Point	4762198	75010	62.5	7.826	1200

Mean No. of Hours with Temperature	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.			511.2	267.6	72.0		720.0
Dry Bulb			334.2	96.6	1.8		720.0
Wet Bulb			243.6	76.2	1.2		720.0
Dew Point							

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — OCT MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
86/ 85								.1											1	1		
84/ 83						.1	.2	.1		.1	.1								6	6		
82/ 81						.1	.1												2	2		
80/ 79			.1			.1	.1	.1	.2										7	7		
78/ 77				.2	.3		.1	.2	.1	.1									11	11		
76/ 75				.5	.3	.2	.2	.2	.2										19	19	1	
74/ 73		.2	.6	.7	.3	.3	.2	.2	.1	.1									33	33	1	1
72/ 71		.3	.7	.4	.3	.7	.4	.2											38	38	15	2
70/ 69		.6	1.0	.8	.4	.6	.4	.3	.2										54	54	29	13
68/ 67	.5	1.5	1.5	.8	.8	.5	.2	.2	.2										76	76	39	27
66/ 65	1.2	1.9	1.0	1.2	.7	.7	.6	.2											95	95	58	60
64/ 63	.7	4.5	1.2	1.7	.9	.6	.3		.2										126	126	106	60
62/ 61	1.2	1.6	1.0	1.3	.6	1.1	.2	.1	.2										91	91	96	84
60/ 59	1.0	1.5	2.2	1.0	.8	1.0	.4	.2	.1										103	103	79	66
58/ 57	1.1	1.4	1.7	1.5	1.0	.6	.6												96	96	105	68
56/ 55	.8	1.2	1.5	1.5	1.5	.6	.2												91	91	87	72
54/ 53	.7	1.0	1.7	2.2	.8	.6	.1												89	89	88	100
52/ 51	.6	1.4	1.9	1.3	.6	.2													75	75	93	66
50/ 49	.6	1.1	1.6	.9	.2	.2													58	58	102	82
48/ 47	.7	1.5	.5	1.0	.4	.2													54	54	99	78
46/ 45	.5	.7	.4	.7	.5														35	35	79	67
44/ 43	.5	.3	.3	.7	.2														25	25	50	86
42/ 41	.2	.2	.5	.9															22	22	30	58
40/ 39	.1	.2	.6	.2															15	15	23	65
38/ 37		.2	.5	.2															11	11	22	34
36/ 35		.2	.2																4	4	21	30
34/ 33	.1		.2																3	3	14	34
32/ 31																					1	22
30/ 29																					2	28
28/ 27																						21
26/ 25																						12
24/ 23																						3
22/ 21																						1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

1070 2097-54321

5 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS) OCT (MONTH)

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	10.6	21.6	20.9	19.8	10.7	8.5	4.3	1.9	1.3	.2	.1							1240	1240	1240	1240

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7239354	92166	74.3	17.716	1240							
Dry Bulb	4404004	73030	58.9	9.112	1240			148.2	47.4	6.6		744.0
Wet Bulb	3728164	67132	54.1	8.697	1240		1.8	51.0	1.2			744.0
Dew Point	3231695	61897	49.9	10.705	1240		52.2	25.8	1.2			744.0

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PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — NOV MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
80/ 79								.1										1	1		
78/ 77					.1	.1	.1	.4	.2		.2							12	12		
76/ 75					.1	.1		.2										4	4		
74/ 73				.2	.1	.1	.1		.1									7	7		
72/ 71			.2	.2	.4		.1	.1	.1	.1								13	13		
70/ 69		.1	.6	.2	.1	.3	.2											19	19	4	
68/ 67		.2	.5	.4	.6	.3	.3	.2	.2									33	33	9	2
66/ 65	.2	1.2	.4	.3	.2	.2	.1	.1	.2									34	34	21	15
64/ 63	.5	2.0	.3	.7	.2		.2	.2	.2									53	53	43	34
62/ 61	.3	1.5	.3	.6	.7	.2	.3	.4										53	53	50	32
60/ 59	.8	1.2	1.0	.4	.3	.3	.5	.2										59	59	49	42
58/ 57	.7	1.6	1.0	.5	.2	.5	.5											60	60	50	31
56/ 55	.7	1.3	1.3	.2	.4	1.2	.5	.2										72	72	58	48
54/ 53	.4	1.0	1.1	.5	1.0	1.0	.4											65	65	47	50
52/ 51	.3	.5	1.1	.8	1.0	.7	.4											58	58	41	37
50/ 49	.3	1.0	1.7	1.7	2.0	.9												92	92	52	47
48/ 47	.1	1.0	1.6	2.1	1.7	.9	.1											90	90	62	40
46/ 45	.3	1.2	2.2	2.7	.9	.6												95	95	79	37
44/ 43	.3	1.0	1.2	1.4	2.1	.2												75	75	93	38
42/ 41	.6	1.2	1.4	2.2	.7	.1												74	74	111	45
40/ 39	.4	.8	1.6	2.1	.3													63	63	100	63
38/ 37	.4	.8	.9	1.2	.4													47	47	79	72
36/ 35	.3	.3	1.7	.6	.2													37	37	76	79
34/ 33	.2	1.0	1.5	.2	.1													37	37	57	85
32/ 31	.2	.7	.6	.3														21	21	48	80
30/ 29		.4	.4	.2														13	13	37	53
28/ 27		.3	.2															6	6	13	68
26/ 25	.1	.2																4	4	11	71
24/ 23	.1																	1	1	8	49
22/ 21		.1	.1															2	2	1	34
20/ 19																				1	19
18/ 17																					8
16/ 15																					7
14/ 13																					8

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

13721 STATION | PATUXENT RIVER, MARYLAND STATION NAME | 73-77 YEARS | NOV MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
12/ 11																					4
10/ 9																					2
TOTAL	7.5	21.0	22.8	20.1	13.8	7.7	3.8	2.2	.8	.1	.2							1200	1200	1200	1200

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	6194060	83156	69.3	18.973	1200							
Dry Bulb	3168227	60281	50.2	10.808	1200		28.2	53.4	14.4	.6		720.0
Wet Bulb	2600517	54461	45.4	10.366	1200		71.4	7.8				720.0
Dew Point	2077751	47489	39.6	12.864	1200		241.8	1.2				720.0

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PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — DEC MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	• TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
68/ 67			.1		.2													4	4		
66/ 65			.6	.2		.2												11	11		
64/ 63		.1	.1	.1														3	3	2	1
62/ 61		.3	.1			.1		.1										7	7	7	3
60/ 59	.1	.2	.3	.5	.3	.1												19	19	13	5
58/ 57		.3	.4	.2	.1	.2	.2											18	18	6	9
56/ 55	.3	.6	.7	.3	.2	.3	.2											34	34	18	15
54/ 53	.2	.8	.5	.3	.3	.6	.2											35	35	21	9
52/ 51	.1	1.5	.6	.1	.9	.6												46	46	26	24
50/ 49	.6	1.9	.7	.9	1.0	.1	.1											66	66	43	31
48/ 47	.4	1.8	1.0	1.0	.6	.7	.1											69	69	42	43
46/ 45	.6	1.7	1.9	2.0	1.0	.4												93	93	61	44
44/ 43	.6	2.9	2.3	1.6	1.5	.3												115	115	82	33
42/ 41	.7	2.5	3.1	1.9	1.0	.2												117	117	95	41
40/ 39	.9	2.7	3.2	2.7	1.3													133	133	109	59
38/ 37	1.2	1.5	2.3	2.5	1.0													105	105	131	87
36/ 35	.2	1.9	2.5	1.5	.4													82	82	100	65
34/ 33	.3	1.1	2.4	1.2	.2													66	66	119	101
32/ 31	.5	1.0	1.7	1.4	.3													61	61	82	89
30/ 29	.2	.7	1.5	.6	.1													38	38	77	82
28/ 27	.2	.6	1.4	.6														35	35	49	60
26/ 25	.1	.7	1.8	.2														35	35	46	66
24/ 23		.7	.9															20	20	42	74
22/ 21		.8	.4															15	15	32	66
20/ 19		.6	.2															10	10	22	38
18/ 17		.2																2	2	11	40
16/ 15		.1																1	1	4	37
14/ 13																					46
12/ 11																					25
10/ 9																					27
8/ 7																					9
6/ 5																					7
4/ 3																					6

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — DEC MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	7.2	27.3	30.6	19.8	10.4	3.9	.8	.1										1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	6440318	86678	69.9	17.544	1240							
Dry Bulb	2182619	50761	40.9	9.190	1240		130.2	2.4				744.0
Wet Bulb	1812873	46077	37.2	9.015	1240		219.0					744.0
Dew Point	1372265	38569	31.1	11.802	1240		402.0					744.0

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PSYCHROMETRIC SUMMARY

13721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — ALL MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
98/ 97											.0							1	1			
96/ 95									.0									2	2			
94/ 93								.0	.0	.0								8	8			
92/ 91						.0	.0	.1	.1	.0	.0							29	29			
90/ 89					.0	.1	.1	.1	.1	.0	.0	.0	.0					56	56			
88/ 87				.0	.0	.2	.3	.1	.0	.0	.0							92	92			
86/ 85			.0	.0	.3	.3	.3	.2	.1	.1	.0	.0						186	186			
84/ 83		.0	.0	.1	.4	.4	.2	.2	.1	.0	.1	.0	.0					243	243			
82/ 81			.2	.5	.6	.4	.3	.2	.2	.1	.0	.0	.0					356	356	8		
80/ 79		.1	.5	.8	.7	.6	.4	.3	.2	.0	.0	.0						500	500	53	5	
78/ 77	.0	.3	.7	.9	.6	.3	.4	.2	.1	.1	.0							527	527	183	35	
76/ 75	.1	.7	1.1	.9	.6	.4	.4	.2	.1	.0	.0							661	661	408	176	
74/ 73	.3	1.0	1.3	.8	.6	.4	.3	.2	.1	.0	.0		.0					740	740	669	397	
72/ 71	.4	1.0	1.1	.8	.4	.3	.3	.1	.1	.1	.0							662	662	777	604	
70/ 69	.5	.8	1.0	.7	.5	.4	.2	.1	.1	.0	.0							620	620	745	766	
68/ 67	.3	.7	1.2	.6	.5	.4	.2	.1	.1	.0	.0							598	598	676	643	
66/ 65	.4	1.0	.9	.7	.5	.4	.2	.1	.1	.1								634	634	697	622	
64/ 63	.3	1.1	.6	.6	.4	.3	.2	.1	.1	.0								560	560	703	610	
62/ 61	.4	.7	.4	.5	.4	.3	.2	.2	.0	.0								463	463	636	588	
60/ 59	.4	.6	.7	.5	.4	.3	.4	.1	.0	.0								497	497	528	570	
58/ 57	.3	.6	.7	.5	.4	.4	.3	.1	.0									495	495	522	520	
56/ 55	.3	.7	.8	.4	.4	.5	.3	.1										522	522	476	486	
54/ 53	.2	.7	.7	.5	.5	.5	.2	.1	.0									505	505	492	477	
52/ 51	.1	.7	.8	.5	.6	.4	.2	.0										483	483	453	488	
50/ 49	.3	.8	.7	.7	.7	.4	.1	.0										522	522	499	487	
48/ 47	.2	.9	.6	.8	.6	.4	.1											526	526	555	457	
46/ 45	.2	.8	.8	.9	.6	.3	.0											517	517	566	428	
44/ 43	.3	1.0	.8	.7	.7	.2												538	538	592	387	
42/ 41	.3	.7	1.0	.9	.4	.1												490	490	610	394	
40/ 39	.3	.7	.9	.8	.3	.0	.0											456	456	570	474	
38/ 37	.4	.8	.7	.7	.3	.0												424	424	571	477	
36/ 35	.2	.7	.9	.6	.2													371	371	512	504	
34/ 33	.1	.6	.7	.5	.1	.0												309	309	460	549	
32/ 31	.1	.5	.6	.4	.1													237	237	376	489	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

12721 STATION — PATUXENT RIVER, MARYLAND STATION NAME — 73-77 YEARS — ALL MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
30/ 29	.1	.3	.7	.3	.0													210	212	301	417
28/ 27	.1	.3	.5	.1														156	156	247	406
26/ 25	.0	.2	.5	.1														123	123	204	384
24/ 23	.0	.2	.3	.0														91	91	156	335
22/ 21		.2	.2															68	68	123	281
20/ 19	.0	.2	.1															44	44	98	197
18/ 17		.1	.0															23	23	46	208
16/ 15	.0	.1	.0															18	18	39	174
14/ 13		.1	.0															11	11	18	174
12/ 11	.0	.1																10	10	11	126
10/ 9		.1																10	10	11	89
8/ 7		.0																3	3	8	47
6/ 5		.0																3	3	4	50
4/ 3	.0	.0																2	2	3	26
2/ 1		.0																1	1	1	25
0/- 1	.0																	1	1	2	4
- 2/- 3	.0																	2	2	2	16
-4 /- 5																					4
- 6/- 7																					5
- 8/- 9																					4
-10/-11																					1
TOTAL	7.0	20.1	22.6	17.9	12.8	8.5	5.5	2.9	1.6	.7	.2	.1	.0						14608		14606
																	14606			14606	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	77668456	1030622	70.6	18.402	14606							
Dry Bulb	52831095	844397	57.8	16.593	14608	1.8	607.8	3168.5	2040.6	726.0	6.6	8760.0
Wet Bulb	43816168	767198	52.5	15.520	14606	2.4	985.7	2111.4	792.6	16.2		8760.0
Dew Point	37504081	691951	47.4	17.983	14606	20.4	2074.8	1575.6	549.4	3.0		8760.0

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5 PSYCHROMETRIC SUMMARY JAN 68

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	34.2	37.3	45.8	52.5	59.9	68.5	72.6	72.8	67.2	55.8	47.6	39.2	54.5
	S. D.	10.505	10.379	8.598	8.840	7.175	5.543	4.159	4.333	5.559	8.400	9.936	9.084	15.509
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	33.3	36.2	44.5	50.7	58.6	67.2	71.2	71.7	66.3	54.7	46.3	38.5	53.4
	S. D.	10.700	10.718	8.572	9.000	7.216	5.342	4.218	4.191	5.393	8.516	10.064	8.915	15.455
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
07	MEAN	32.7	35.2	44.4	52.7	61.3	70.5	73.9	73.4	66.9	54.6	45.7	37.8	54.2
	S. D.	11.220	10.570	8.809	8.648	6.957	4.972	3.697	4.005	5.434	8.530	10.345	9.443	16.539
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
10	MEAN	37.5	42.2	51.0	60.0	66.8	75.3	79.7	79.7	73.2	61.5	52.7	42.3	60.2
	S. D.	10.588	11.005	9.397	10.351	7.825	5.617	4.216	5.051	6.208	7.978	9.751	8.599	16.664
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	40.9	46.0	53.7	62.4	69.4	78.1	82.6	82.8	76.1	65.1	56.2	45.3	63.3
	S. D.	10.889	11.606	9.512	10.532	8.107	5.942	4.719	5.576	6.547	8.280	10.876	8.965	16.720
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	40.5	45.7	53.6	62.3	69.3	77.5	82.6	82.0	75.2	64.1	54.8	44.2	62.7
	S. D.	10.701	11.477	8.051	10.026	8.016	6.419	4.661	4.933	5.919	8.228	10.441	8.385	16.575
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	36.5	40.5	49.4	57.2	64.9	74.1	78.6	77.2	70.1	58.6	49.9	40.6	58.2
	S. D.	10.336	9.938	7.658	8.983	7.341	5.756	4.220	4.687	5.958	7.773	9.761	8.735	16.296
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	35.1	39.0	47.3	54.3	61.6	70.2	74.4	74.3	68.2	56.8	48.6	39.6	55.9
	S. D.	10.416	10.477	8.288	8.659	7.200	5.730	4.133	4.400	5.554	8.266	10.290	8.619	15.661
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	36.4	40.3	48.7	56.5	64.0	72.7	76.9	76.7	70.4	58.9	50.2	40.9	57.8
	S. D.	11.039	11.416	9.318	10.329	8.450	6.861	5.979	6.166	6.835	9.113	10.808	9.191	16.592
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	31.6	33.7	41.7	47.2	56.3	65.0	68.6	69.8	64.3	52.7	44.0	36.2	51.0
	S. D.	10.293	9.304	8.118	8.538	7.257	5.823	4.494	4.365	6.253	8.758	10.062	9.324	15.443
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	31.0	33.0	40.9	46.3	55.5	64.3	68.0	69.1	63.8	52.1	43.3	35.6	50.3
	S. D.	10.609	9.677	8.547	8.690	7.602	5.739	4.734	4.329	6.270	8.909	10.303	9.021	15.538
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
07	MEAN	30.6	32.3	41.0	47.9	57.5	66.3	69.7	70.3	64.5	52.2	42.8	35.1	51.0
	S. D.	11.116	9.863	8.900	8.480	7.593	5.499	4.513	4.342	6.372	8.808	10.531	9.494	16.300
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
10	MEAN	34.0	36.7	44.8	50.7	59.5	67.9	71.4	72.3	66.8	55.7	46.9	38.2	53.8
	S. D.	10.380	9.749	8.697	8.881	7.671	5.354	4.431	4.397	6.266	8.464	9.981	8.745	15.506
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	35.8	38.6	46.0	51.8	60.6	68.7	71.9	73.0	67.6	57.0	48.4	39.8	55.0
	S. D.	9.869	9.264	7.900	8.630	7.341	5.419	4.623	4.675	6.274	8.157	10.251	8.682	15.051
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	35.6	38.6	46.0	51.8	60.3	68.4	71.8	72.7	67.2	56.5	47.8	39.0	54.7
	S. D.	9.756	9.059	6.974	8.215	7.137	5.824	4.634	4.449	6.063	8.071	10.148	8.276	14.952
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	33.3	35.9	43.8	49.6	58.6	67.0	70.5	71.0	65.1	54.0	45.3	36.9	52.7
	S. D.	9.954	8.822	7.332	8.040	7.133	5.738	4.470	4.446	6.242	8.302	10.044	8.867	15.288
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	32.2	34.8	42.7	48.1	57.4	65.6	69.4	70.3	64.5	53.0	44.5	36.4	51.7
	S. D.	10.017	9.159	7.914	8.129	7.170	5.948	4.440	4.496	6.240	8.659	10.304	8.746	15.336
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	33.0	35.5	43.4	49.2	58.2	66.6	70.2	71.1	65.5	54.1	45.4	37.2	52.5
	S. D.	10.397	9.610	8.287	8.657	7.552	5.853	4.738	4.623	6.382	8.697	10.367	9.016	15.521
	TOTAL OBS	1238	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14606

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5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	26.2	27.5	36.2	41.5	53.3	62.9	66.5	68.2	62.4	49.8	39.5	31.2	47.2
	S. D.	12.945	11.171	10.757	10.773	9.012	7.035	5.626	5.013	7.532	10.394	12.234	12.005	17.753
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	26.1	27.2	35.9	41.5	52.7	62.5	66.2	67.8	62.1	49.7	39.4	30.7	46.9
	S. D.	13.019	11.238	11.188	10.552	9.496	6.700	5.889	5.008	7.621	10.288	12.189	11.589	17.745
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
07	MEAN	25.9	26.8	36.3	42.8	54.4	63.8	67.5	68.7	62.9	49.9	39.0	30.4	47.5
	S. D.	13.295	11.492	11.664	10.604	9.925	6.910	6.028	5.194	7.701	10.294	12.405	11.736	18.306
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
10	MEAN	27.1	27.7	37.1	41.4	53.9	63.7	67.3	68.8	63.1	50.8	40.2	31.9	47.8
	S. D.	13.705	12.569	12.186	11.923	10.674	7.089	6.083	5.349	7.851	11.197	13.086	11.846	18.248
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	27.0	27.5	36.7	41.2	54.0	63.3	66.6	68.2	62.6	50.1	39.6	31.6	47.5
	S. D.	13.265	12.414	11.833	12.065	10.537	7.704	6.753	6.154	8.276	11.410	13.794	12.185	18.265
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	27.1	27.8	36.6	41.3	53.5	63.1	66.4	68.2	62.5	49.9	39.8	31.2	47.4
	S. D.	13.172	11.944	11.501	11.652	10.496	8.087	6.801	6.004	8.317	11.138	13.889	11.882	18.108
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	27.1	28.1	36.7	41.6	53.6	62.8	66.3	67.9	62.1	49.7	39.7	30.7	47.3
	S. D.	12.831	11.516	10.825	11.053	9.801	7.717	6.420	5.783	7.805	10.469	12.855	11.807	17.732
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	26.6	27.9	36.8	41.6	54.1	62.9	66.6	68.3	62.3	49.5	39.4	31.1	47.4
	S. D.	12.588	11.162	10.801	10.844	8.813	7.341	5.735	5.368	7.597	10.577	12.611	11.555	17.717
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	26.6	27.6	36.5	41.6	53.7	63.1	66.7	68.3	62.5	49.9	39.6	31.1	47.4
	S. D.	13.078	11.670	11.329	11.175	9.851	7.327	6.178	5.493	7.827	10.705	12.864	11.803	17.983
	TOTAL OBS	1238	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14606

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5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) JAN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	100.0	99.4	92.3	77.4	56.8	37.4	18.1	74.0	155
	04	100.0	100.0	100.0	100.0	93.5	79.9	61.7	44.8	20.8	75.8	154
	07	100.0	100.0	100.0	100.0	95.5	80.5	63.6	46.8	23.4	76.9	154
	10	100.0	100.0	100.0	96.1	80.6	58.1	40.6	27.1	13.5	67.7	155
	13	100.0	100.0	96.8	85.8	66.5	39.4	29.7	18.7	9.7	60.1	155
	16	100.0	100.0	96.8	85.2	62.6	45.2	36.1	22.6	5.2	61.2	155
	19	100.0	100.0	100.0	98.1	85.2	67.1	50.3	29.0	11.6	69.9	155
	22	100.0	100.0	100.0	98.7	92.5	72.9	52.9	32.3	15.5	72.4	155
TOTALS		100.0	100.0	99.2	95.4	83.7	65.1	49.0	32.3	14.7	69.8	1238

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RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) FEB (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	97.9	85.8	68.8	51.1	27.0	9.9	69.5	141
	04	100.0	100.0	100.0	98.6	90.8	73.0	53.2	31.9	9.9	71.2	141
	07	100.0	100.0	100.0	100.0	93.6	79.4	53.9	36.2	12.1	72.7	141
	10	100.0	100.0	97.9	83.0	62.4	36.9	28.4	18.4	7.8	59.0	141
	13	100.0	97.9	84.4	63.1	42.6	28.4	20.6	14.2	6.4	52.2	141
	16	100.0	98.6	87.2	68.8	44.7	30.5	22.0	18.4	8.5	53.5	141
	19	100.0	100.0	98.6	91.5	73.0	50.4	37.6	21.3	9.9	63.7	141
	22	100.0	100.0	100.0	92.2	80.9	63.1	41.8	23.4	8.5	66.4	141
TOTALS		100.0	99.6	96.0	86.9	71.7	53.8	38.6	23.9	9.1	63.5	1128

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5706 RELATIVE HUMIDITY JAN 68
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RELATIVE HUMIDITY

2

13721 PATUXENT RIVER, MARYLAND 73-77 MAR

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	100.0	95.5	85.2	67.7	54.2	34.2	18.7	71.2	155
	04	100.0	100.0	100.0	98.1	90.3	69.0	58.1	40.6	20.0	73.6	155
	07	100.0	100.0	100.0	97.4	92.3	72.3	57.4	45.8	21.3	75.0	155
	10	100.0	100.0	98.7	83.9	59.4	49.0	32.9	25.8	12.9	62.1	155
	13	100.0	99.4	88.4	72.3	54.2	36.8	27.7	20.6	9.7	56.7	155
	16	100.0	99.4	89.7	71.6	54.2	39.4	31.6	20.0	9.0	56.9	155
	19	100.0	100.0	98.7	84.5	70.3	55.5	40.0	26.5	11.6	64.4	155
	22	100.0	100.0	100.0	93.5	78.7	65.8	51.6	32.9	16.1	69.2	155
TOTALS		100.0	99.9	96.9	87.1	73.1	56.9	44.2	30.8	14.9	66.1	1240

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

2

13721 PATUXENT RIVER, MARYLAND 73-77 APR

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	98.0	84.7	66.0	42.0	23.3	8.7	67.7	150
	04	100.0	100.0	100.0	100.0	92.7	76.7	56.0	28.7	11.3	71.9	150
	07	100.0	100.0	100.0	100.0	88.7	67.3	52.0	26.0	9.3	70.3	150
	10	100.0	100.0	93.3	71.3	48.0	29.3	16.7	8.7	2.7	52.6	150
	13	100.0	100.0	84.7	62.0	38.0	24.0	14.0	9.3	2.7	49.0	150
	16	100.0	98.7	85.3	61.3	37.3	25.3	17.3	7.3	2.0	49.2	150
	19	100.0	100.0	97.3	82.7	58.7	42.0	26.7	14.7	2.7	58.5	150
	22	100.0	100.0	100.0	93.3	75.3	56.0	38.0	18.7	6.0	64.5	150
TOTALS		100.0	99.8	95.1	83.6	65.4	48.3	32.8	17.1	5.7	60.5	1200

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-77 MAY

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	98.7	96.8	87.7	74.2	52.3	30.3	80.3	155
	04	100.0	100.0	100.0	100.0	95.5	90.3	77.4	64.5	34.8	82.2	155
	07	100.0	100.0	100.0	98.7	94.8	87.1	72.9	48.4	27.1	79.5	155
	10	100.0	100.0	98.7	92.3	77.4	55.5	36.8	26.5	11.6	65.8	155
	13	100.0	100.0	97.4	86.5	62.6	45.8	32.3	21.9	8.4	61.0	155
	16	100.0	100.0	94.2	81.9	62.6	47.7	29.0	20.6	9.0	60.4	155
	19	100.0	100.0	100.0	94.2	80.0	65.8	45.2	28.4	16.1	69.4	155
	22	100.0	100.0	100.0	99.4	96.1	85.2	71.0	41.3	20.6	77.8	155
TOTALS		100.0	100.0	98.8	94.0	83.2	70.6	54.9	38.0	19.7	72.1	1240

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) JUN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	99.3	98.0	87.3	60.0	25.3	82.8	150
	04	100.0	100.0	100.0	100.0	99.3	98.7	92.0	70.7	28.7	85.3	150
	07	100.0	100.0	100.0	100.0	99.3	95.3	80.0	54.0	20.0	80.3	150
	10	100.0	100.0	100.0	97.3	91.3	74.0	44.0	20.0	6.0	68.5	150
	13	100.0	100.0	99.3	93.3	77.3	50.7	32.0	11.3	4.0	62.3	150
	16	100.0	100.0	98.7	92.0	80.7	52.7	33.3	18.0	4.0	63.3	150
	19	100.0	100.0	100.0	96.7	89.3	70.7	48.0	26.7	5.3	69.4	150
	22	100.0	100.0	100.0	100.0	98.7	93.3	74.7	49.3	13.3	78.5	150
TOTALS		100.0	100.0	99.8	97.4	91.9	79.2	61.4	38.8	13.3	73.8	1200

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) JUL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	100.0	96.1	80.0	57.4	25.8	81.9	155
	04	100.0	100.0	100.0	100.0	99.4	97.4	86.5	69.7	32.9	85.1	155
	07	100.0	100.0	100.0	100.0	100.0	91.0	81.9	58.7	19.4	81.0	155
	10	100.0	100.0	100.0	100.0	88.4	70.3	36.8	12.3	2.6	66.8	155
	13	100.0	100.0	99.4	94.8	72.9	48.4	20.0	7.1	1.9	59.9	155
	16	100.0	100.0	100.0	92.9	70.3	44.5	21.3	7.7	1.9	59.5	155
	19	100.0	100.0	100.0	100.0	87.1	67.7	43.2	16.8	3.9	67.5	155
	22	100.0	100.0	100.0	100.0	100.0	92.9	72.9	41.3	15.5	77.6	155
TOTALS		100.0	100.0	99.9	98.5	89.8	76.0	55.3	33.9	13.0	72.4	1240

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5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND 73-77 AUG

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	100.0	99.4	94.8	75.5	30.3	85.9	155
	04	100.0	100.0	100.0	100.0	100.0	99.4	95.5	81.9	38.1	88.1	155
	07	100.0	100.0	100.0	100.0	100.0	99.4	92.9	71.6	32.9	85.8	155
	10	100.0	100.0	100.0	100.0	98.7	77.4	45.2	19.4	3.9	70.1	155
	13	100.0	100.0	100.0	97.4	81.3	56.1	27.7	9.0	.6	62.8	155
	16	100.0	100.0	100.0	98.1	83.2	62.6	31.0	9.0	1.3	64.2	155
	19	100.0	100.0	100.0	100.0	98.7	82.6	61.3	33.5	11.0	74.0	155
	22	100.0	100.0	100.0	100.0	100.0	98.1	87.1	52.9	17.4	82.0	155
TOTALS		100.0	100.0	100.0	99.4	95.2	84.4	66.9	44.1	16.9	76.6	1240

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) SEP (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	99.3	95.3	89.3	68.0	36.0	85.2	150
	04	100.0	100.0	100.0	100.0	100.0	96.7	90.0	76.0	42.0	87.1	150
	07	100.0	100.0	100.0	100.0	100.0	96.0	90.0	74.7	47.3	87.7	150
	10	100.0	100.0	100.0	100.0	94.0	79.3	56.7	24.0	8.0	71.8	150
	13	100.0	100.0	100.0	97.3	81.3	58.7	31.3	16.0	6.7	64.8	150
	16	100.0	100.0	100.0	94.7	84.0	63.3	40.0	18.7	6.0	66.3	150
	19	100.0	100.0	100.0	100.0	97.3	88.7	71.3	42.7	14.0	76.8	150
	22	100.0	100.0	100.0	100.0	99.3	94.0	85.3	62.7	22.7	82.3	150
TOTALS		100.0	100.0	100.0	99.0	94.4	84.0	69.2	47.9	22.8	77.8	1200

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) OCT (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	100.0	100.0	92.9	76.8	53.5	25.8	81.2	155
	04	100.0	100.0	100.0	100.0	99.4	96.8	81.9	61.9	32.3	83.9	155
	07	100.0	100.0	100.0	100.0	99.4	94.2	83.2	69.7	38.7	85.1	155
	10	100.0	100.0	100.0	97.4	84.5	67.7	46.5	29.7	12.3	69.8	155
	13	100.0	100.0	98.7	87.1	67.7	46.5	28.4	18.1	4.5	60.7	155
	16	100.0	100.0	98.1	91.6	67.7	47.7	[illegible].2	18.7	7.7	62.4	155
	19	100.0	100.0	100.0	100.0	93.5	77.4	54.2	34.8	16.8	73.7	155
	22	100.0	100.0	100.0	100.0	97.4	84.5	62.6	45.8	23.2	77.8	155
TOTALS		100.0	100.0	99.6	97.0	88.7	76.0	58.5	41.5	20.2	74.3	1240

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) NOV (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	99.3	94.7	77.3	58.0	38.7	24.7	75.3	150
	04	100.0	100.0	100.0	100.0	96.0	86.0	67.3	44.0	25.3	77.7	150
	07	100.0	100.0	100.0	100.0	97.3	88.7	66.7	46.0	24.7	78.7	150
	10	100.0	100.0	100.0	94.7	72.7	48.0	36.7	23.3	11.3	64.5	150
	13	100.0	100.0	98.0	74.0	49.3	36.7	24.7	16.7	10.7	56.6	150
	16	100.0	100.0	98.0	80.7	58.0	43.3	30.0	22.7	10.0	59.8	150
	19	100.0	100.0	100.0	98.0	86.0	64.0	45.3	30.7	16.7	69.7	150
	22	100.0	100.0	99.3	98.7	90.7	72.0	53.3	32.7	16.0	72.1	150
TOTALS		100.0	100.0	99.4	93.2	80.6	64.5	47.8	31.9	17.4	69.3	1200

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) DEC (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	99.4	93.5	76.8	60.6	36.8	16.8	74.3	155
	04	100.0	100.0	100.0	99.4	93.5	80.0	58.1	39.4	16.8	74.7	155
	07	100.0	100.0	100.0	99.4	95.5	83.9	67.7	35.5	16.8	75.7	155
	10	100.0	100.0	100.0	96.8	84.5	62.6	41.3	26.5	17.4	68.3	155
	13	100.0	100.0	100.0	88.4	62.6	41.9	30.3	18.7	11.6	60.9	155
	16	100.0	100.0	100.0	89.0	63.2	48.4	32.9	23.9	11.6	62.7	155
	19	100.0	100.0	100.0	98.7	85.2	68.4	44.5	28.4	12.9	69.5	155
	22	100.0	100.0	100.0	99.4	89.7	74.2	56.1	34.8	15.5	73.0	155
TOTALS		100.0	100.0	100.0	96.3	83.5	67.0	48.9	30.5	14.9	69.9	1240

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5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (PERIOD) ALL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.2	95.4	83.7	65.1	49.0	32.3	14.7	69.8	1238
FEB		100.0	99.6	96.0	86.9	71.7	53.8	38.6	23.9	9.1	63.5	1128
MAR		100.0	99.9	96.9	87.1	73.1	56.9	44.2	30.8	14.9	66.1	1240
APR		100.0	99.8	95.1	83.6	65.4	48.3	32.8	17.1	5.7	60.5	1200
MAY		100.0	100.0	98.8	94.0	83.2	70.6	54.9	38.0	19.7	72.1	1240
JUN		100.0	100.0	99.8	97.4	91.9	79.2	61.4	38.8	13.3	73.8	1200
JUL		100.0	100.0	99.9	98.5	89.8	76.0	55.3	33.9	13.0	72.4	1240
AUG		100.0	100.0	100.0	99.4	95.2	84.4	66.9	44.1	16.9	76.6	1240
SEP		100.0	100.0	100.0	99.0	94.4	84.0	69.2	47.9	22.8	77.8	1200
OCT		100.0	100.0	99.6	97.0	88.7	76.0	58.5	41.5	20.2	74.3	1240
NOV		100.0	100.0	99.4	93.2	80.6	64.5	47.8	31.9	17.4	69.3	1200
DEC		100.0	100.0	100.0	96.3	83.5	67.0	48.9	30.5	14.9	69.9	1240
TOTALS		100.0	99.9	98.7	94.0	83.4	68.8	52.3	34.2	15.2	70.5	14606

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5706 RELATIVE HUMIDITY JAN 68
PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

12721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 1973-DEC 1977 (YEARS) JANUARY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						60,0	40,0			5	,4
67 TO 71					16,7	50,0	33,3			6	,5
62 TO 66	14,3				28,6	42,9	14,3			7	,6
57 TO 61		7,1	3,6	7,1	21,4	28,6	25,0	7,1		28	2,3
52 TO 56	7,7	7,7	1,9	3,8	13,5	28,8	23,1	11,5	1,9	52	4,2
47 TO 51	9,9	8,8	4,4	12,1	16,5	9,9	26,4	7,7	4,4	91	7,3
42 TO 46	16,2	10,7	4,6	10,7	15,2	9,1	11,7	11,7	12,2	197	15,9
37 TO 41	21,5	7,7	5,2	6,9	12,4	8,6	8,6	13,7	15,5	233	18,8
32 TO 36	18,9	8,3	10,5	6,1	8,3	5,3	7,0	20,2	15,4	228	18,4
27 TO 31	23,0	2,2	6,7	3,4	12,4	5,6	12,4	19,1	15,2	178	14,4
22 TO 26	35,5	6,5	,8	1,6	4,8	4,0	12,1	28,2	6,5	124	10,0
17 TO 21	27,7	6,4		2,1	6,4		31,9	21,3	4,3	47	3,8
12 TO 16	38,9		5,6			5,6	22,2	22,2	5,6	18	1,5
7 TO 11	17,6					5,9	35,3	41,2		17	1,4
2 TO 6							40,0	60,0		5	,4
-3 TO 1							25,0	75,0		4	,3
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	19,9	7,0	5,2	6,0	11,0	8,7	13,9	17,1	11,1	1240	100,0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 1973-DEC 1977 (YEARS) FEBRUARY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						33,3	66,7			3	,3
72 TO 76					12,5	37,5	50,0			8	,7
67 TO 71					14,3	71,4	14,3			7	,6
62 TO 66	7,1			3,6	14,3	42,9	32,1			28	2,5
57 TO 61	1,6		1,6	4,9	18,0	42,6	24,6	4,9	1,6	61	5,4
52 TO 56	5,9	2,4	2,4	11,8	17,6	30,6	18,8	8,2	2,4	85	7,5
47 TO 51	9,2	6,4	5,5	17,4	13,8	17,4	16,5	9,2	4,6	109	9,7
42 TO 46	17,0	9,1	6,7	14,5	18,8	10,3	8,5	9,7	5,5	165	14,6
37 TO 41	20,4	12,1	8,3	6,8	12,6	9,2	7,3	15,5	7,8	206	18,3
32 TO 36	26,6	14,2	7,3	4,6	7,8	6,9	3,7	19,3	9,6	218	19,3
27 TO 31	31,1	13,3	8,1	3,7	6,7	4,4	4,4	14,8	13,3	135	12,0
22 TO 26	31,7	11,1	1,6		4,8	3,2	11,1	19,0	17,5	63	5,6
17 TO 21	37,5							37,5	25,0	24	2,1
12 TO 16	18,8					12,5		50,0	18,8	16	1,4
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	19,5	9,3	5,8	7,6	11,8	13,6	10,2	14,1	8,2	1128	100,0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

12721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 1973-DEC 1977 (YEARS) MARCH (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86							100,0			1	,1
77 TO 81						87,5	12,5			8	,6
72 TO 76					7,7	53,8	38,5			13	1,0
67 TO 71			3,7		22,2	44,4	25,9	3,7		27	2,2
62 TO 66	9,1	4,5	6,1	9,1	19,7	28,8	15,2	7,6		66	5,3
57 TO 61	9,7	4,4	3,5	15,9	22,1	15,6	15,0	8,8	1,8	113	9,1
52 TO 56	9,6	8,1	9,1	17,2	18,7	11,0	8,1	13,4	4,8	209	16,9
47 TO 51	14,1	8,3	7,2	14,8	21,7	4,1	7,2	12,4	10,0	290	23,4
42 TO 46	12,7	14,7	10,8	10,4	14,7	2,3	6,6	17,4	10,4	259	20,9
37 TO 41	18,5	9,9	10,6	5,3	9,9	6,0	8,6	19,2	11,9	151	12,2
32 TO 36	31,8	10,6	1,5		9,1	6,1	7,6	22,7	10,6	66	5,3
27 TO 31	40,0	2,9			5,7	2,9	8,6	20,0	20,0	35	2,8
22 TO 26	100,0									2	,2
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14,2	8,9	7,6	11,1	16,5	9,8	9,4	14,2	8,1	1240	100,0

NAVWEASERVCOM

5703 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | APRIL (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						33,3	66,7			3	,3
82 TO 86	5,0			20,0		20,0	30,0	25,0		20	1,7
77 TO 81		3,6		10,7	7,1	25,0	28,6	21,4	3,6	28	2,3
72 TO 76	6,0	2,0	2,0	10,0	12,0	36,0	26,0	6,0		50	4,2
67 TO 71	7,1	3,1	3,0	21,2	15,2	33,3	7,1	5,1	3,0	99	8,3
62 TO 66	3,8	2,5	3,8	12,7	20,8	27,4	10,8	8,9	3,2	157	13,1
57 TO 61	7,3	8,9	7,3	10,9	22,4	6,8	13,0	16,1	7,3	192	16,0
52 TO 56	12,9	7,5	7,5	9,4	17,6	6,7	9,4	18,8	10,2	255	21,3
47 TO 51	20,7	6,9	3,4	9,4	11,3	5,9	9,4	24,1	8,9	203	16,9
42 TO 46	21,7	5,0	6,7	2,5	5,0	4,2	18,3	28,3	8,3	120	10,0
37 TO 41	37,3			2,0			7,8	35,3	17,6	51	4,3
32 TO 36	27,3					4,5		45,5	22,7	22	1,8
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13,1	5,6	4,8	10,1	15,2	12,8	12,3	18,6	7,6	1200	100,0

NAVWEASERVCOM

5709 FREQ. TEMP. VS. WIND DIR. JAN 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 1973-DEC 1977 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91							33,3	66,7		3	,2
82 TO 86		4,8		19,0	19,0	28,6	28,6			21	1,7
77 TO 81	5,0	6,3	5,0	22,5	21,3	13,8	13,8	11,3	1,3	80	6,5
72 TO 76	2,2	7,5	,7	11,2	32,1	21,6	11,9	11,2	1,5	134	10,8
67 TO 71	7,4	5,6	3,3	20,0	27,0	12,6	9,3	7,0	7,9	215	17,3
62 TO 66	9,7	5,0	8,7	15,7	22,7	10,7	9,4	10,7	7,4	299	24,1
57 TO 61	10,6	11,4	8,6	12,7	22,4	7,8	8,2	10,6	7,8	245	19,8
52 TO 56	15,9	11,0	9,8	10,4	11,0	7,3	7,3	18,3	9,1	164	13,2
47 TO 51	24,6	1,6	8,2		3,3	14,8	9,8	19,7	18,0	61	4,9
42 TO 46	29,4					5,9	11,8	41,2	11,8	17	1,4
37 TO 41	100,0									1	,1
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10,1	7,3	6,5	14,1	21,4	11,8	9,8	11,9	7,2	1240	100,0

NAVWEASERVCOM

5709 FREQ. AIR TEMPS. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | JUNE (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91				9,5	14,3	33,3	38,1	4,8		21	1,8
82 TO 86	7,0	4,0	1,0	18,0	22,0	28,0	14,0	4,0	2,0	100	8,3
77 TO 81	6,0	3,8	6,4	18,3	30,2	12,8	12,3	8,5	1,7	235	19,6
72 TO 76	8,1	6,4	7,8	9,9	25,5	22,9	9,3	7,8	4,3	345	28,8
67 TO 71	7,9	9,4	7,5	7,1	25,5	14,2	8,6	11,2	8,6	267	22,3
62 TO 66	11,8	10,8	9,9	5,0	14,9	8,1	9,3	13,0	11,2	161	13,4
57 TO 61	18,9	13,1	5,7	5,7	1,9	11,3	9,4	24,5	7,5	53	4,4
52 TO 56	5,6	38,9	27,8				11,1	11,1	5,6	18	1,5
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7,8	8,5	7,3	10,6	23,1	16,8	10,7	9,8	5,6	1200	100,0

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

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2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 1973-DEC 1977 (YEARS) JULY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	10,0	10,0	10,0	20,0	10,0		30,0	10,0		10	,8
87 TO 91	10,8	3,1	4,6	15,4	13,8	15,4	21,5	13,8	1,5	65	5,2
82 TO 86	9,0	8,1	2,8	20,4	22,7	14,2	9,5	9,0	4,3	211	17,0
77 TO 81	8,0	8,8	3,5	13,0	23,9	19,5	8,3	10,3	4,7	339	27,3
72 TO 76	9,9	7,9	4,6	6,9	18,1	18,6	14,5	10,5	8,9	392	31,6
67 TO 71	9,8	12,0	4,9	1,6	7,1	21,3	13,1	14,8	15,3	183	14,8
62 TO 66	7,9	7,9	2,6	2,6	5,3	26,3	18,4	13,2	15,8	38	3,1
57 TO 61							50,0		50,0	2	,2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9,2	8,5	4,0	10,5	18,1	18,4	12,4	11,0	7,7	1240	100,0

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) JAN 1973-DEC 1977 (YEARS) AUGUST (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							100.0			1	.1
92 TO 96	14.3			7.1	7.1	21.4	28.7	14.3		14	1.1
87 TO 91	6.5	4.8	1.6	19.4	12.9	17.7	17.7	19.4		62	5.0
82 TO 86	9.8	9.8	7.8	16.1	20.2	14.5	14.5	4.1	3.1	193	15.6
77 TO 81	7.8	7.8	6.9	15.0	16.6	22.3	11.3	7.2	5.0	319	25.7
72 TO 76	7.8	7.3	7.3	9.7	18.4	20.8	12.3	8.7	11.8	424	34.2
67 TO 71	16.9	11.9	14.7	1.1	10.7	5.6	11.9	10.7	16.4	177	14.3
62 TO 66	33.3	7.1	9.5	2.4	7.1	9.5	9.5	2.4	19.0	42	3.4
57 TO 61	25.0		12.5			12.5	12.5		37.5	8	.6
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.4	8.2	8.1	9.6	16.2	17.4	12.8	8.2	9.0	1240	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

19721	PATUXENT RIVER, MARYLAND	JAN 1973-DEC 1977	SEPTEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	11,1				22,2	22,2	44,4			9	,8
82 TO 86	7,0	1,8	5,3	14,0	31,6	12,3	22,8	5,3		57	4,8
77 TO 81	5,7	6,4	3,2	19,1	21,0	22,3	7,6	11,5	3,2	157	13,1
72 TO 76	8,6	7,3	8,9	13,6	21,5	19,9	7,6	8,6	4,0	302	25,2
67 TO 71	9,5	13,8	14,1	7,3	11,0	11,9	9,8	12,2	10,4	327	27,3
62 TO 66	13,6	20,0	16,6	2,1	7,7	3,4	7,7	14,0	14,9	235	19,6
57 TO 61	19,8	10,5	2,3	1,2	2,3	9,3	12,8	25,6	16,3	86	7,2
52 TO 56	25,0	12,5	4,2				20,8	16,7	20,8	24	2,0
47 TO 51		100,0								3	,3
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10,5	11,7	10,3	9,1	14,5	13,3	9,8	12,2	8,8	1200	100,0

NAVWEASERVCOM

5709 FREQ. OF TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | OCTOBER (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	14,3				14,3	28,6	28,6	14,3		7	,6
77 TO 81	15,0			15,0	15,0	15,0	30,0	10,0		20	1,6
72 TO 76	11,3		5,6	11,3	23,9	22,5	14,1	7,0	4,2	71	5,7
67 TO 71	10,7	8,7	9,4	16,8	18,8	10,7	8,7	9,4	6,7	149	12,0
62 TO 66	13,3	14,8	9,8	9,1	12,5	10,6	9,8	12,9	7,2	264	21,3
57 TO 61	18,6	15,8	4,0	8,9	10,5	9,7	6,5	16,6	9,3	247	19,9
52 TO 56	20,8	13,3	4,9	2,7	8,4	8,4	8,8	19,5	13,3	226	18,2
47 TO 51	19,9	11,3	3,5	,7	2,1	9,2	19,1	16,3	17,7	141	11,4
42 TO 46	28,8	6,8	5,5			8,2	17,8	16,4	16,4	73	5,9
37 TO 41	40,0	8,6				14,3	14,3	8,6	14,3	35	2,8
32 TO 36	42,9					14,3		28,6	14,3	7	,6
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	17,9	11,7	6,0	7,2	10,5	10,7	11,1	14,6	10,3	1240	100,0

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NAVWEASERVCOM

1838

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721	PATUXENT RIVER, MARYLAND	JAN 1973-DEC 1977	NOVEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					7,7	46,2	38,5	7,7		13	1,1
72 TO 76		6,3		18,8	18,8	12,5	25,0	18,8		16	1,3
67 TO 71	1,7	5,0	10,0	10,0	18,3	35,0	15,0	5,0		60	5,0
62 TO 66	2,5	10,1	11,8	20,2	21,0	14,3	5,9	5,0	9,2	119	9,9
57 TO 61	7,1	7,1	5,7	9,3	14,3	25,0	10,0	10,0	11,4	140	11,7
52 TO 56	10,2	3,4	1,8	12,0	12,7	12,7	15,7	13,9	15,7	166	13,8
47 TO 51	23,2	6,2	3,8	7,1	10,4	12,3	12,3	17,5	7,1	211	17,6
42 TO 46	24,3	12,4	1,0		8,9	10,4	18,8	17,8	6,4	202	16,8
37 TO 41	25,7	8,6	3,3		5,3	10,5	10,5	25,7	10,5	152	12,7
32 TO 36	21,3	4,5	2,2		2,2	6,7	21,3	27,0	14,6	89	7,4
27 TO 31	24,0						36,0	28,0	12,0	25	2,1
22 TO 26	57,1						42,9			7	,6
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 TO-39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS	16,4	7,5	4,0	6,8	10,9	14,3	14,7	16,1	9,4	1200	100,0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721	PATUXENT RIVER, MARYLAND	JAN 1972-DEC 1977	DECEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71					25,0	75,0				4	,3
62 TO 66					46,7	46,7	6,7			15	1,2
57 TO 61	2,3	2,3	2,3	2,3	25,6	41,9	23,3			43	3,5
52 TO 56	8,4	2,1	7,4	7,4	21,1	30,5	12,6	9,5	1,1	95	7,7
47 TO 51	14,2	7,7	6,5	11,0	11,0	15,5	7,7	20,0	6,5	155	12,5
42 TO 46	14,8	10,2	10,2	11,7	10,6	8,0	8,0	17,0	9,5	264	21,3
37 TO 41	18,7	11,0	10,0	3,7	9,7	10,0	11,4	15,1	10,4	299	24,1
32 TO 36	15,9	8,0	5,7	2,3	17,0	12,5	10,2	16,2	10,2	176	14,2
27 TO 31	24,5	1,9	6,6	1,9	6,6	10,4	9,4	31,1	7,5	106	8,5
22 TO 26	28,1		3,1	1,6	6,3	4,7	17,2	31,3	7,8	64	5,2
17 TO 21	38,9				5,6	5,6	5,6	22,2	22,2	18	1,5
12 TO 16	100,0									1	,1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	16,6	7,3	7,6	6,0	12,5	13,6	10,5	17,7	8,2	1240	100,0

NAVWEASERVCOM

5709 FREQ. FOR TEMP. VS. WIND DIR. JAN 68

1838

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13721 (STATION) | PATUXENT RIVER, MARYLAND (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | ALL (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							100,0			1	,0
92 TO 96	12,5	4,2	4,2	12,5	8,3	12,5	33,3	12,5		24	,2
87 TO 91	7,4	3,1	2,5	14,7	13,5	19,0	24,5	14,7	,6	163	1,1
82 TO 86	8,4	6,9	4,1	17,7	21,6	17,2	14,8	6,6	2,8	610	4,2
77 TO 81	6,8	6,7	4,8	15,7	21,7	19,7	11,5	9,5	3,6	1202	8,2
72 TO 76	7,6	6,7	6,2	8,9	21,2	21,5	12,4	8,9	6,6	1760	12,0
67 TO 71	9,2	9,6	8,7	9,4	16,9	16,2	10,5	10,1	9,5	1521	10,4
62 TO 66	10,5	10,7	9,5	9,6	16,8	13,7	10,0	10,6	8,7	1431	9,8
57 TO 61	11,3	9,8	5,4	9,4	16,4	14,7	11,7	13,3	8,0	1218	8,3
52 TO 56	12,9	8,6	6,5	9,4	14,2	12,5	11,3	15,5	9,0	1294	8,9
47 TO 51	17,1	7,8	5,2	9,9	12,7	9,8	12,1	16,2	9,3	1264	8,7
42 TO 46	18,0	10,6	6,9	8,2	11,3	7,3	11,6	16,8	9,4	1297	8,9
37 TO 41	22,1	9,3	7,1	4,4	9,5	6,8	9,5	17,6	11,6	1128	7,7
32 TO 36	22,1	9,3	6,6	3,5	9,2	7,6	8,2	21,2	12,4	800	5,5
27 TO 31	26,9	5,2	6,3	2,7	8,4	5,8	10,4	21,1	13,2	479	3,3
22 TO 26	33,8	5,8	1,5	1,2	5,0	3,8	13,8	25,8	9,2	260	1,8
17 TO 21	32,6	3,4		1,1	4,5	1,1	18,0	25,8	13,5	89	,6
12 TO 16	31,4		2,9			8,6	11,4	34,3	11,4	35	,2
7 TO 11	17,6					5,9	35,3	41,2		17	,1
2 TO 6							40,0	60,0		5	,0
-3 TO 1							25,0	75,0		4	,0
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13,8	8,5	6,4	9,1	15,2	13,4	11,5	13,8	8,4	14908	100,0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NWSD, Federal Building

Asheville, N. C.

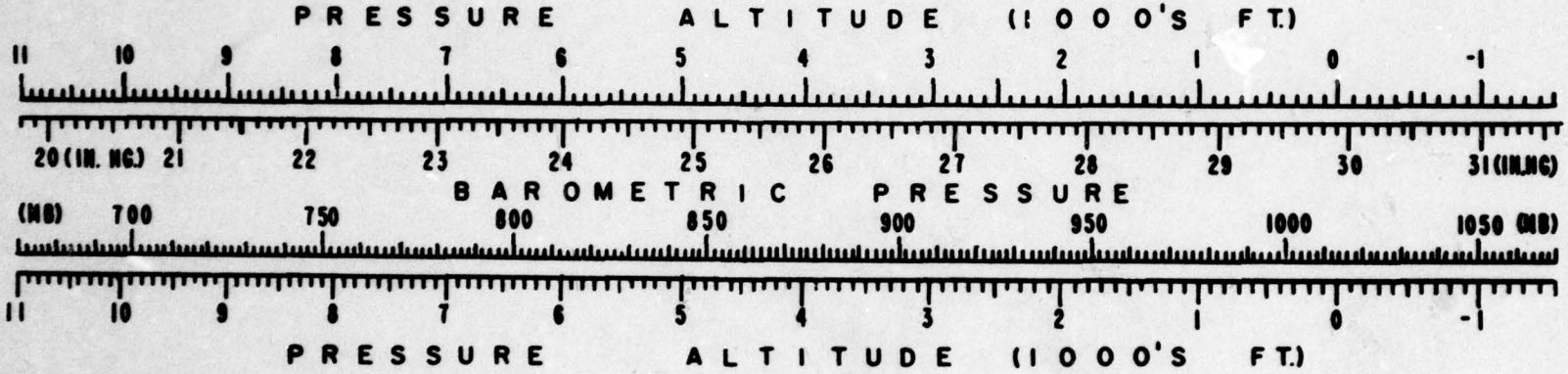
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	30.031	29.993	29.973	29.959	29.919	29.934	29.944	30.000	29.998	30.041	30.027	30.012	29.986
	S. D.	.248	.262	.238	.229	.155	.158	.133	.113	.147	.204	.219	.277	.208
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	30.030	29.983	29.958	29.951	29.911	29.922	29.936	29.993	29.988	30.035	30.025	30.010	29.979
	S. D.	.246	.257	.239	.240	.158	.162	.136	.114	.148	.207	.222	.278	.210
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
07	MEAN	30.054	30.013	29.991	29.986	29.945	29.953	29.967	30.023	30.019	30.062	30.050	30.029	30.008
	S. D.	.245	.254	.249	.252	.160	.165	.137	.116	.152	.212	.224	.288	.214
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
10	MEAN	30.082	30.030	29.998	29.985	29.947	29.958	29.974	30.030	30.029	30.077	30.068	30.052	30.019
	S. D.	.253	.254	.269	.260	.165	.167	.137	.119	.158	.218	.225	.291	.221
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	30.022	29.988	29.959	29.953	29.922	29.941	29.958	30.012	30.000	30.037	30.016	29.996	29.984
	S. D.	.256	.259	.275	.250	.167	.168	.137	.118	.161	.217	.223	.290	.219
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	30.007	29.952	29.918	29.917	29.885	29.912	29.922	29.976	29.964	30.011	29.974	29.984	29.952
	S. D.	.257	.253	.266	.234	.165	.167	.137	.119	.160	.212	.352	.279	.229
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	30.038	29.978	29.942	29.932	29.895	29.914	29.926	29.985	29.977	30.034	30.021	30.011	29.971
	S. D.	.255	.257	.254	.223	.155	.163	.135	.112	.156	.208	.217	.278	.212
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	30.047	29.990	29.966	29.962	29.918	29.939	29.946	30.005	30.000	30.051	30.031	30.016	29.989
	S. D.	.245	.256	.241	.222	.152	.160	.133	.111	.150	.207	.215	.278	.208
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	30.039	29.991	29.963	29.956	29.918	29.934	29.947	30.003	29.997	30.044	30.027	30.014	29.986
	S. D.	.251	.257	.255	.239	.160	.164	.136	.116	.155	.211	.242	.282	.216
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

13721 (STATION) PATUXENT RIVER, MARYLAND (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1018.5	1017.2	1016.5	1016.1	1014.7	1015.2	1015.6	1017.5	1017.4	1018.9	1018.4	1017.9	1017.0
	S. D.	8.356	8.924	8.083	7.751	5.237	5.411	4.513	3.831	4.987	6.894	7.416	9.360	7.052
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	1018.5	1016.9	1016.1	1015.8	1014.5	1014.8	1015.3	1017.2	1017.1	1018.7	1018.3	1017.8	1016.8
	S. D.	8.292	8.696	8.108	8.100	5.365	5.477	4.609	3.889	5.009	7.003	7.524	9.423	7.120
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
07	MEAN	1019.3	1017.9	1017.2	1017.0	1015.6	1015.9	1016.3	1018.2	1018.1	1019.6	1019.2	1018.4	1017.7
	S. D.	8.314	8.594	8.436	8.535	5.432	5.536	4.636	3.925	5.153	7.170	7.575	9.760	7.240
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
10	MEAN	1020.2	1018.5	1017.4	1017.0	1015.7	1016.1	1016.6	1018.5	1018.5	1020.1	1019.8	1019.2	1018.1
	S. D.	8.568	8.588	9.129	8.781	5.611	5.616	4.607	4.011	5.339	7.387	7.609	9.825	7.459
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	1018.2	1017.1	1016.1	1015.9	1014.8	1015.5	1016.0	1017.9	1017.4	1018.7	1018.0	1017.3	1016.9
	S. D.	8.646	8.738	9.303	8.435	5.647	5.696	4.636	3.990	5.455	7.353	7.567	9.791	7.411
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	1017.7	1015.8	1014.7	1014.7	1013.6	1014.5	1014.8	1016.7	1016.3	1017.9	1017.3	1017.0	1015.9
	S. D.	8.698	8.594	8.995	7.916	5.574	5.669	4.660	4.012	5.404	7.175	7.564	9.458	7.297
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	1018.7	1016.7	1015.5	1015.2	1013.9	1014.6	1015.0	1016.9	1016.7	1018.6	1018.2	1017.8	1016.5
	S. D.	8.624	8.675	8.614	7.561	5.223	5.510	4.551	3.801	5.250	7.045	7.341	9.405	7.181
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	1019.1	1017.2	1016.3	1016.2	1014.7	1015.4	1015.7	1017.7	1017.5	1019.2	1018.5	1018.0	1017.1
	S. D.	8.291	8.669	8.173	7.505	5.158	5.417	4.525	3.743	5.089	7.001	7.258	9.421	7.027
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	1018.8	1017.2	1016.2	1016.0	1014.7	1015.2	1015.7	1017.6	1017.4	1019.0	1018.5	1017.9	1017.0
	S. D.	8.481	8.690	8.631	8.096	5.436	5.553	4.618	3.935	5.240	7.138	7.493	9.552	7.252
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

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